USAFETAC/DS-78/004

# DATA PROCESSING BRANCH USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

MALMSTROM FB MT/GREAT FALLS WEAN# 24112 N 47 30 W 111 11 FLD ELEV 3523 FT GFA WMO#

PARTS A-F

POR FROM HOUILY OBS: DEC 67 - NOV 77 POR FROM DAILY OBS: DEC 45 - NOV 77

JUN 1 2 1978

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This technical report has been reviewed and is approved for publication.

Cal a. Bown &

CARL A BOWER, JR Chief, Data Reference Section Climatological Services Branch

FOR THE COMMANDER

WALTER S BURGMANN

Scientific & Technical Information Officer

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
	J. RECIPIENT'S CATALOG NUMBER
USAFETAC/DS-78/004	
A. TITLE (and Subliste) Revised Uniform Summary of Surface Weather	5. TYPE OF REPORT & PERIOD COVERED
Observations (RUSSWO) - Malmstrom AFB, Great Falls,	Final rept
Montana	6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(a)	S. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
USAFETAC/OL-A	I was a serie serie was a serie series a series
Air force Environmental Technical Appl. Center Scott AFB, IL 62225	
11. CONTROLLING OFFICE NAME AND ADDRESS	-12: REPORT DATE
USAFETAC/CED Air Weather Service (MAC)	12 Jun 78 /
Scott AFB, IL 62225	478p.
	15 SECURITY CLASS. (of this report)
·	UNCLASSIFIED
	154. DECLASSIFICATION/DOWNGRABING
	SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)	ACCESSION for
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	JUSTIFICATION
17. DISTRIBUTION STATEMENT (of the abetract entered in Block 20, If different fro	m Report)
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18. SUPPLEMENTARY NOTES	اما
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19. KEY WORDS (Continue on reverse elde if necessary and identify by block number)  *RUSSWO Relative humidity *Clima	tological data
*Montana Daily temperature Atmos	pheric pressure
Snowfall Extreme snow depth Extre	me surface winds
	rometric summary
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)	ng versus visibility (over)
This six-part statistical summary of surface weath	er observations for Malmstron
AFB, Great Falls, Montana contains the following pa	arts: (A) Weather Conditions;
Atmospheric Phenomena; (B) Precipitation, Snowfall	and Snow Depth (daily amounts
and extreme values); (C) Surface Winds; (D) Cei. Cover; (E) Psychrometric Summaries (daily maximum	ling Versus Visibility; Sky
treme maximum and minimum temperatures, psychromet	ric summary of wet-bulb tem-
perature depression versus dry-bulb temperature;	means and standard deviations
of dry=bulb, wet-bulb, and dew-point temperature	s, and relative (over)
PORM 4 4000	

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#### SECURITY CLASSIFICATION OF THIS PAGE(When Date Entered)

- 19. \*\*Malmstrom AFB, Great Falls, Montana
  Percentage frequency of distribution tables
  Dry-bulb temperature versus wet-bulb temperature
  Cumulative percentage frequency of distribution tables
- 20. humidity); and (f) Pressure Summary (means, standard deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

THE VALUES CONTAINED HEREIN HAVE BEEN QUALITY CONTROLLED TO REMOVE ERRONEOUS DATA. HOWEVER, BECAUSE RESOURCES AVAILABLE FOR QUALITY CONTROL ARE FINITE, A FEW ERRORS MAY REMAIN; WHEN THEY HAPPEN, SUCH ERRORS USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".O", INDICATIVE OF ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE VALID. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS WHICH WERE NOT DISCOVERED UNTIL AFTER THE FINAL SUMMARY WAS PRODUCED HAVE BEEN LINED THROUGH IN BLACK INK.

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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

#### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### **DESCRIPTION OF SUMMARIES**

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from bourly and daily observations recorded by statious operated by the U.S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV .

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

#### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY	APRIL_	JULY	OCTOBER
PEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

874-29954

78 11 28 036

Y STATION NAME  MALMSTROM AFB MONTANA/GRE	AT FALL	S N 4	i	ONGITUDE W 111 · 1	1 3523	· 1	1	WMO NUMBER
STATION LOCATI	ON A	ND II	NSTRU	MENT	ATION	HIST	ORY	······
GEOGRAPHICAL LOCATION & NAME	TYPE OF Station	AT THIS LOCATION FROM TO		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL FIELD (FT) HT. BARO.		OBS Per Dat
Falls Montana	AAF Same	Dec 67 Aug 72	Jul 72 Nov 77	N 47 30 Same	W 111 11 Same	3523 ft Same	3465 ft Same	24 24
SURFACE WIN	ID EQUIPMENT	TYPE OF	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS, AD	DITIONAL EQUIPI	NENT, OR REAS	ON FOR CHANGE
Rnwy, 2240 ft ESE of Base 1. Located 500 ft NW of Rn SW of Taxiway S. 2. Located 1000 ft SW end	Operation of Rnwy	AN/GMQ ons ftSame		15 ft Same Same 13 ft Same		,		
	STATION LOCATI  GEOGRAPHICAL LOCATION 1 NAME  Falls Montana  SURFACE WIN  LOCATION  Located 760 ft from center Rnwy, 2240 ft ESE of Base 1. Located 500 ft NW of Rn SW of Taxiway S. 2. Located 1000 ft SW end 500 ft SE from the cent 1. Same	STATION LOCATION A  GEOGRAPHICAL LOCATION 1 NAME  STATION  Falls Montana  SURFACE WIND EQUIPMENT  LOCATION  Located 760 ft from centerline of Rnwy, 2240 ft ESE of Base Operation  1. Located 500 ft NW of Rnwy, 250 SW of Taxiway S.  2. Located 1000 ft SW end of Rnwy 500 ft SE from the centerline  1. Same	STATION LOCATION AND IT TYPE OF STATION FROM  SURFACE WIND EQUIPMENT INFORMATION  LOCATION  LOCA	STATION LOCATION AND INSTRU  CEOCRAPHICAL LOCATION AND INSTRU  FROM TO  FROM TO  FROM TO  FAUG 72 Nov 77  Same Aug 72 Nov 77  LOCATION  LOCATION	SURFACE MIND EQUIPMENT INFORMATION  SURFACE MIND EQUIPMENT INFORMATION  SURFACE MIND EQUIPMENT INFORMATION  SURFACE MIND EQUIPMENT INFORMATION  LOCATION  SAME  SA	STATION LOCATION AND INSTRUMENTATION  CEOCRAPHICAL LOCATION 1 MANE  SURFACE MIND EQUIPMENT INFORMATION  SURFACE MIND EQUIPMENT INFORMATION  SURFACE MIND EQUIPMENT INFORMATION  LOCATION  LOCATION  LOCATION  LOCATION  LOCATION  LOCATION  LOCATION  SURFACE MIND EQUIPMENT INFORMATION  TYPE OF MATABOYE GROUND  TRANSMITTER RECORDER RECORDER GROUND  REMARS. ADI  TYPE OF MATABOYE GROUND  TRANSMITTER RECORDER GROUND  REMARS. ADI  SURFACE MIND EQUIPMENT INFORMATION  LOCATED TO THE ANGLOS OF THE ANGLOS OF THE ANGLOS OF THE ANGLOS OF THE ANGLE OF THE ANGLOS OF T	STATION LOCATION AND INSTRUMENTATION HIST  GEOGRAPHICAL LOCATION AND ARME  TIPE OF STATION LOCATION AND TO LATITUDE  GEOGRAPHICAL LOCATION AND  AAF Dec 67 Jul 72 N 47 30 W 111 11 3523 ft Same  Same	STATION LOCATION AND INSTRUMENTATION HISTORY  CEOGRAPHICAL LOCATION AND INSTRUMENTATION HISTORY  TIPE OF STATION  AND INSTRUMENTATION HISTORY  AT THIS COCATION  FROM TO LOCATION ABOVE MSL.  FIELD (FID. #1. BABO.  FALSE OF AUG 72 NOV 77 Same Same Same  SAME AUG 72 NOV 77 SAME SAME  LOCATION  SURFACE MIND COMPREM INFORMATION  TIPE OF TAXABUTTER RECORDER RECORDER CASONOU  LOCATION TRANSMITTER RECORDER CASONOU  LOCATION AND INSTRUMENTATION LOCATION HISTORY  REMARKS. ADDITIONAL EQUIPMENT. OR REAS SAME SAME SAME  SAME SAME SAME  SAME SAME  SAME SAME  SAME SAME  SAME SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAME  SAM

NBER OF	DATE	SURFACE WIND EQUI	PHENT INFORMATION			
CATION	DATE CF CHANCE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
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#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tormado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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# **WEATHER CONDITIONS**

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24112	MALMSTROM AFB MT/GREAT FALLS	58-77	JAN
STATION	-STATION NAME	YEARS	MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR- SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAII	00-02		. 4	•2	20.5		21.2	5.2		•6		5.8	930
	03-05		.4	•2	22.7	. <u></u>	22.9	6.5	<del></del>	• 5		7.0	930
	06-08		.4	• 2	22.3		22.7	7.6		• 9		8.3	930
	09-11		.3		19.0		19.4	10.4		1.4		11.9	930
	12-14		.4		16.9		17,1	9.1		1.2	.1	10.4	930
	15-17				14,4		14.4	6.9	.2	. 6	• 2	8.0	930
	18-20		.5	.2	17.1		17.5	5.5		• 2		5.7	930
	21-23		•2	•2	17,7	<del>-</del>	18.2	4.8		•6		5.5	930
			-vi		-								
TOTALS			3	. 1	18.8		19.2	7.0	.0	. 8	• 0	7.8	7440

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# **WEATHER CONDITIONS**

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24112	MALMSTROM AFB MT/GREAT FALLS	68 <b>-77</b>	FEB
STATION	STATION NAME	YEARS	MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (LS.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02				14.4		14.4	6.7		•4		7.1	849
	03-05		,1		13.2		13.3	6.8		•1		6.9	8:9
<u> </u>	06-08		.7		12.2		12.7	7.7		. 4		7.7	847
	09-11		,2	.2	13.7		14,1	8.8	• 2	•2	•1	9.0	845
	12-14		.5	.4	11.8		12.2	6.1	5			6.1	849
	15-17		.1	.1	9.1		9,2	3.2	<u>,1</u>			3,2	849
	18-20		.1	.2	8.6		9.0	3.1				3.1	849
	21-23		.2	•1	13,2		13,4	3.9		.1		4.0	849
TOTALS			, 2	,1	12.0		12.3	<b>5.</b> 8	.1	• 2	• 0	5.9	6792

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## **WEATHER CONDITIONS**

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MALMSTROM AFB MT/GREAT FALLS

-STATION NAME

YEARS

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PERCENTAGE FREQUENCY OF UCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR H/ZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		1,1		13.3		14.3	4.6		• 4	.1	4.8	930
	03-05		1,4		12.2		13,4	4.7		•6	• 1	5.1	930
	06-08		. 8		12.9		13.7	5.4	. 2	1.5		6.1	930
	09-11		.9		13.8		14.6	<b>4 •</b> 8	. 4	1.4		5.7	930
	12-14		.2		12.4	1	12.7	4.5	5	1.2	• 2	5.5	930
	15-17	1	. 4		11.0		11.3	3.1		1.6		3.8	930
	18-20		9		10.3		11.2	2.4		1.6	<del></del>	3.7	930
	21-23		1.5		11.4		16.7	2.5		<b>,</b> 9		3.3	930
						, <u>, , , , , , , , , , , , , , , , , , </u>	3						
TOTALS		• 0	, 9		12.2	• (	13.0	4.0	.1	1.2	.1	4,8	7440

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#### **WEATHER CONDITIONS**

24112	MALHSTRUM AFB MT/GREAT FALLS	68 <b>-77</b>	Apk
STATION	- STATION NAME	YEARS	НТИОМ

# PERCENTAGE FREQUENCY OF UCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS,
ДPR	00-02		2,9	. 3	11.4		14,1	4.9		.2		5.1	900
<del></del>	03-05		2,9	.3	12.7		15.8	5.2		• 1		5.3	900
	06-08		3.3	.4	10.8		14.2	7.3		• 2		7.3	900
	09-11		2,9		11.3		13.7	5 • 8		٠,٦		5,8	900
	12-14	.1	3,6		10.8		13.1	4.6		.7		4.9	900
	15-17	.4	3,6		7.8		10.4	3.6		. 4		3.8	900
	18-20	, 3	3.9		5.6		8.4	2.2		• 2		2.2	900
	21-23		4,0		10.0	<del></del>	12.8	3.4				3,4	900
						·							
													· · · · · · · · · · · · · · · · · · ·
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TOTALS		.1	3,4	.1	10.1		12,8	4.6		• 3		4.7	7200

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## **WEATHER CONDITIONS**

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24112	MALMSTROM AFB MT/GREAT FALLS  -STATION NAME	68-77	YAM
STATION		YEARS	HINOM

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
МАУ	00-02	. 3	10.3		, 9		11.1	1.2		•		1.2	930
	03-05	. 2	10.0		6	<del></del>	10.4	1.5				1.5	930
	06-08		10.2		1.1		10.5	2.0				2.0	930
•	09-11		8.6		1.4		9.2	9				.9	930
	12-14	1.1	11.1		1.4	<del></del>	11.8	1.1				1.1	930
	15-17	1.6	10,9		.6	•1	11.2	1.0				1.0	930
	18-20	. 8	10.4		,3		10.5	• 9				.9	930
	21-23	, 6	11.2		, 4		11,3	<u>.</u> 8				.8	930
TOTALS		.6	10.3		. 8	•0	10.8	1.2				1.2	7440

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#### **WEATHER CONDITIONS**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77 JUN

STATION STATION NAME YEARS MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
ากเก	00-02	, 1	7.3		. 3		7.7	•6				6	900
	03-05	. 2	8.3		. 3		8,7	1.7				1.7	900
	06-08		7.8		. 3		8.1	3.8				3.8	900
	09-11	.1	8.7		. 3		8.9	2.2				2.2	900
	12-14	1.2	8.4		1	: 	8,4	• 2				.2	900
	15-17	3,3	10.2				10.2	• 3				.3	900
	18-20	3.4	12,2			•1	12,2	1.0				1.0	900
	21-23	1.1	9.1		.3		9.2	•9				•9	900
					47								
TOTALS		1.2	9.0		• 2	•0	9.2	1.3				1.3	7200

USAPETAC FORM 0-10-5(OL A), MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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## **WEATHER CONDITIONS**

24112 MALHSTROM AFB MT/GREAT FALLS 68-77
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	X OF OBS WITH- PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	/	2.8				2.8	•1				•1	930
	03-05	.5	5.1				5.1	•4				• 4	930
	06-08	. 9	3.3				3,3	1.1				1.1	930
	09-11	. 4	4.2				4,2	• 4	• <del>•••••••</del>			. 4	930
	12-14	.3	1.6				1,6						930
	15-17	2.3	3,5		, 1		3,5						930
	18-20	2.3	3.4		, 3		3,4				• 3	.3	930
	21-23	2.0	4.8		2		4,8						930
						*-							
TOTALS		1.1	3,6		, 1		3,6	• 3			•0	• 3	7440

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **WEATHER CONDITIONS**

24112 MALMSTROM AFB MT/GREAT FALLS OF	,8-77 YEARS	AUG
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# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1,0	5,7				5,7	.3				.3	930
	03-05	.3	4.4				4.4	• 8				.8	93°
	06-08	.1	5,7			<del></del> -	5.7	1.1	- <u>-</u>			1.1	930
	09-11	. 1	5,2				5.2	.8				.8	930
	12-14	, 4	4.8				4.8	.8				. 8	930
	15-17	2.7	6.1		···_		6,1	• 5				.5	930
	18-20	3.2	7,1				7.1	•6				6	930
	21-23	2.0	8.9				8,9	• 2				• 2	930
													<u> </u>
TOTALS		1,2	6,0				6.0	•6			<del>''',</del>	.6	7440

USAFETAC PORM 0-10-5(OL, A), PREVIOUS EDMONS OF THIS FORM ARE OSSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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## **WEATHER CONDITIONS**

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77 SEP

STATION STATION NAME YEARS MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02		4,4		1,9		6.0	1.2				1.2	900
	03-05	3	5.2		2.4		7.7	1.6				1.6	900
	06-08	.1	5.6		2 • 2		7,6	1.6				1.6	900
	09-11		5,6		1.7		7.1	1.9				1.9	900
	12-14	• 1	3.4		1.4		4,8	1.2				1.2	900
	15-17	• 2	5,3		.9		6.1	-8				. 8	900
	18-20	, 3	4.8		1.2		5.7	1.1				1.1	900
	21-23		5,4		1,2		6.4	•6				•6	900
				- 									
TOTALS		.1	5,0		1.6		6.4	1.3				1.3	7200

USAFETAC JULY 44 0-10-5(OL A), PREVIOUS SORTIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAS AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

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MALMSTROM AFB MT/GREAT FALLS

STATION NAME

68-77

UCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DCT	00-02	,1	3.0	.1	6.1		9.1	3.1				3.1	930
	03-05		3,4		6.5		9.6	4.0			.,	4.0	930
	06-08		2.7		6.2		8.8	4.1				4.1	930
	09-11		3.0		5.6		8.6	3.7				3.7	930
	12-14		2.5		6.0		8.2	2.8			*****	2.8	930
	15-17		3,4		3,5		6,9	1.9				1.9	930
	18-20		4,3		4.1		8.1	1.7				1.7	930
	21-23	•2	3,4	• 2	6.7		10,2	3.3				3,3	930
		·											
						 	<u> </u>						<u>-</u>
TOTALS		•0	3.2	•0	5.6		8.7	3.1				3.1	7440

USAFETAC PORM 0-10-5(QL A), PREVIOUS EDITION OF THIS FORM ARE OSSOLET

DATA PROCESSING BRANCH . USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

24112	MALMSTROM			FA
STATION		"STA	TION NAME	

68-77

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZÉ	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		1.1	• 2	10.3		11.4	4.8		• 9		5.7	900
	03-05		. 9		9.2		10.1	6.2		1.0		7.2	900
	06-08		1.6	• 2	8.4		10.2	7.1		. 4		7.6	900
	09-11		1.2	• 1	10.8		11.9	8.3	• 1	.4		8.6	900
	12-14		1.6		9 <b>.7</b>		10.8	5.0	•2	9		5.6	900
	15-17		1.7		8.1		9,6	3.2		1.4		4.0	899
	18-20		. 8		7.6		8.2	3.3				3.9	897
	21-23		.6	. 3	6.7		7,5	3.6		.7		4.2	897
TOTALS			1.2	•1	8.9		10.0	5.2	•0	• Я		5.9	7193

USATETAC JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

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UATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

24112 MALMSTROM AFB MT/GREAT FALLS  STATION NAME	67-76 YEARS	DEC
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# PERCENTAGE FREQUENCY OF DCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL <sup>4</sup> NO. OF OBS.
DEC	00-02				17.2		17.2	4.9		• 9		5.8	930
	03-05				17.0		17.0	5.3		.8		6.0	930
	06-08	_	.3		16.7		16.9	5.8	.2	.8		6.3	930
	09-11			•2	15.8		16.0	6.0	•6	9		6.8	930
	12-14				15.1		15,6	5.2	8	1.3		5.9	930
	15-17		, 3		12.4		12.7	4.8	.1	.6		5.3	930
	18-20				15.8		15,8	4.6	•1	8		5.4	930
	21-23		.2	•2	16.9		17.3	5.1		.6		5.7	930
				·					···-				
													·
TOTALS			.2	. 1	15.9		16.1	5.2	• 2	.8		5.9	7440

USAFETAC AND 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

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MALMSTROM AFB MT/GREAT FALLS

STATION NAME

67-77

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HTMOM	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		. 3	.1	18.8		19.2	7.0	•0	• 8	•0	7.8	7440
FE8			.2	.1	12.0		12.3	5.8	.1	. 2	. •0	5.9	6792
MAR		.0	.9		12.2	•0	13.0	4.0	.1	1.2	•1	4.8	7440
APR		. 1	3.4	.1	10.1		12.8	4.6		_ 、3		4.7	7200
МАУ		.6	10.3		. 8	• 0	10.8	1.2				1.2	7440
JUN		1.2			• 2	• 0	9.2	1.3				1.3	7200
JUL		1.1	3.6		. 1		3.6	•3			•0	.3	7440
AUG		1.2	6.0				6.0	•6				.6	7440
SEP		.1			1.6		6.4	1.3				1.3	7200
OCT		•0			5.6	•	8.7					3.1	7440
NDV			1.2		8.9		10.0	5.2	.0	· 8		5.9	7193
DEC	<del> </del>		.2		15.9		16.1	5.2				5.9	7440
TOTALS		.4				•0		3.3					

USAFETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OMFOLET

#### PART A

### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949.

  Therefore, percentages in this column are restricted to the period Jan 1949 and later.
  - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
  - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

24112 STATION MALMSTROM AFB MT/GREAT FALLS
STATION NAME

46-77

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ALL

# PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		6,4	, 5	47.5		50.3	24.7	2.1	5.3	• 1	27.3	990
FEB		.2	6,3	.8	40.8	•1	43,3	21.0	1.7	3.8		23.2	901
HAR		.3	12.1	.1	41.6	•1	47.6	19.2	1.1	3.4	•1	21.4	991
APR		2.2	28,9	•9	29,6	• 5	45.3	16.2	•6	1.3		16.8	959
МДУ		10.1	51.1		7.4	1.6	50.0	9.6	.9	•1	•2	10.6	992
JUN		20.7	51.7		•9	1.9	50.0	7.8			• 2	8.0	958
JUL		22.7	37.2		.1	1.8	35.7	2.2	.1		.1	2.4	992
AUG		18.3	39.6		. 1	1.0	37.3	2.7	.1		• 3	3.0	991
SEP		4.2	35,8	.3	6.2	•4	36.0	6.6	.1		, i	6.7	959
DCT		, 8	24.0	1.2	15.2	•3	31.4	9.3	.2	• 3		9.5	992
NOV			14.3	1.0	29.2		37.6	14.7	.7	2.6	• 3	15.9	958
DEC		•1	7,8	1.6	37.7		40.8	20.0	1.7	•1		21.4	960
TOTALS		6.6	26.3	. 5	21.4	•6	42.1	12.8	.8	1.7	• 1	13.8	11643

USAFETAC ROBA 0-10-5(OL A), MEYIOUS EDITIONS OF THIS FORM ARE OSSIGNET

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART B

# PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- \* 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- \*2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION ".00" equals

.00" equals none for the month (hundredths)

EXTREME DAILY SHOWFALL

".0" equals none for the month (tenths)

EXTREME DAILY SNOW DEPTH

"0" equals mone for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SMOWFALL for each yearmonth and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

<sup>\*</sup> Values for means and standard deviations do not include measurements from incomplete months.

notes:

**EXHIBITION** 

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

#### Air Force Stations:

#### U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 47	at 1230GMT	Jul 52-May 57	at 12300MT
Jun 57-present	at 12000MT	Jun 57-present	at 1200GMT

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **DAILY AMOUNTS**

PRECIPITATION

(FPOM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS 45-77
STATION NAME

STATION NAME

AMOUNTS (INCHES) MONTHLY AMOUNTS (INCHES) PERCENT TOTAL OF DAYS TRACE ى. 20. .11-.25 .26-.50 2.51-5.00 5 01-10 00 10 01-20 00 OVER 20 00 PRECIP. NONE .01 .06-.10 .51-1.00 1.01-2.50 NO. OF WITH MEASUR 2.5.3 4 3.5.4.4 10.5-15.4 SHOWFALL NONE TRACE 0.1-0.4 0.5-1.4 1.5.2.4 4.5.6.4 6.5.10.4 15.5-25.4 25.5-50.4 OVER 50.4 OSS. GREATEST **AMTS** 4.6 OVER 120 NONE TRACE 7.12 13.24 25.36 49.40 61-120 47.6 .76 6.6 992 2,96 25. 7.1 4.4 26.9 1. .53 8,7 23.1 53.8 FEB 23. 904 .01 4.1 1.65 50.d 23. 3.8 10,2 4.4 5.2 26.1 992 .79 2.49 . 09 2.0 MAR 5.6 22. 3.1 26.5 960 4.2 APR

51.0 1.09 3.31 8.9 . 06 47.2 22. 2. 7.0 8.1 2.7 30.7 991 2.56 6.55 .31 4.3 MAY 19.5 2.80 3. 7,6 5.8 34.0 .24 3.4 959 5.17 6.9 5.2 JUN 5.d 5.9 62.d 2.2 3.3 22.0 992 1.31 3.75 TRACE JUL 16.0 3. 1.5 5,9 5.2 22.4 992 AUG 59.9 17.7 2.3 3.5 1,41 ,06 3.2 1.3 5.3 21.6 1.01 SEP 16.5 3.1 2.1 1.3 3,41 OCT 66,9 992 . 76 2.79TRACE 14.1 2:5 4.9 3.7 18:2 1. 5.3 6.7 20.4 NOV 59.6 20.0 4, 960 . 69 2.5 .2 3.93 4.5 DEC 56.5 20.3 3.7 7.6 .3 . 22.9 992 .74 2.01 1. 55.3 ANNUAL 5.3

1210 WS JUL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETES -

DATA PROCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

# **EXTREME VALUES**

PRECIPITATION

(FROM DAILY OBSERVATIONS)

24112 MALMSTROM AFB MT/GREAT FALLS
STATION NAME

#### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR	MAY	NUL	JUL.	AUG.	SÉP.	ост.	NOV.	DEC.	ALL MONTHS
45												.65	
46	11	.09	. 35	.38	67	1.28	57	26	.56	-56	-64	.17	1.28
47	.31	.27	.72	.064	.20	1.13	•05	.18	.34	20	.25	,32	* 1.13
48	.14	.09	20	-20	1.14	1.19	-80	.35	.15	.39	19	1.30	1.30
49	.88	.31	. 35	.04	1.72	.73	.84	.15	.26	•40	.01	.30	1.72
50	.25	01		. 29	22	.94	1.59	2.00	32	-02	31	.13	2.00
51	.27	.73	.42 .26	2.02	1.06	•46	1.05	•66	.70	.20	. 1.9	.30	2.02
52	.08	37	. 26		.32	87	13	.52	14	12		.09	.87
53	.05	.32	.16	.46	2.05	3.01	TRACE	.91	.73	.18	.08	.35	3.01
54	13	20	11	.17	.22	2.24	.41	.82	.73	1.27	.06	.02	2.24
55	.99	.36	.29	.75	1.28	.45	1.05	.05	-07	.33	.46	.34	1.28
56	20	.08	.12	.24	.31	.72	51	.35	.18	.24			.72
57	-14	. 25	.13	.17	1.79	.74	.24	.33	.65	.14	. 1·0	.05	1.79
58	-10	.44	. 15	.25	.64	.87	. 67	-21	11	16	.23	.30	.87
59	.21	.21	.09	.22	1.41	1.02	.11	•40	.75	.33	3.19	22	3,19
60	.07	.25	.03	.53	.57	.43	16	1.35	.13	.05	.30	.06	1.35
61	.08	.27	,47	.18	,64	.23	• 53	.12	.39	.12	.26	.12	.64
62	1.11	.14	.20	.38	1.84	1.15	.31	1.16	.28	.75	.18	10	1.84
63	. 18	.13	.31	.43	.80	.79	.43	.20	.14	.33	. 10	.30	.80
64	.37	.24	.42	.31	1.64	3.12	.42	.62	12	TRACE	.23	. 35	3.12
65	.64	.23	.09	.35	.51	1.80	.67	.80	.74	TRACE	.50	,30	1.80
66	.62	,31	,53	, 39	1.03	.75	• 6Z	1.09	22	1.04	.31	-25	1.09
67	.34	.13	.84	.67	.48	.80	.49	.12	1.23	.82	.17	,38	1.23 1.48
68	.37	.08	.36	,63	1.48	1.06	•10	1.14	1.13	.03	.80	.70	1,48
69	.33	.14	,30	,10	.76	1.86	.50	.12	.10	.19	.11	.32	1.86
70	.26	.37	.22	,39	1.58	1.91	÷46	• 4.5	-12	.24	.12	.15	1,91
71	.17	.14	.36		.57	• 52	.19	.80	.98	.20	.04	,19	.98
72	.33	.19	, 25		1.02	.13	1.28	.43	.36	.22	.14	. 42	1.28
73	• 09	.08	.12	1.88	.58	.54	.07	.49	.70	,38	.18	,52	1.58
74	.16	.05	.22	, 33	. 92	1.57	.27	1.22	47	. 25	13	-10	1.57
MEAN									<u> </u>				
\$. D.									Ņ				
TOTAL OBS.				.	10%								

\* (BASED ON LESS"THAN FULL MONTHS)

USAF ETAC AN A 0-00-5 (OLA)

UŞĀ	A PROCESSI F/ETAC/OL WEATHER S	A	•										EME V	ALUES
241	10 441	McTD-M	AER M	T/CDEAT	FALL		4 K '	,7				(FROM DAIL)	Y OBSERVATION	15)
****	STATION MAL	سهمدود	STATION	N NAME		<del></del>				YEARS				
					24 1	HOUR AN	IOUNŢS	IN IN	CHES					
•	MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
	75 76	•31	•08 •19	• 26 • 27	1.82	.99	.93	•72 •59	.54 1.61	.34	.95		•07	1.82
	77	.20	.07	,18	,13	.77	1.11	1,41	.45	1.02	.34			
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					(	new comments								
	MEAN S. D	.300 .268	.213 .145	,290 .181	.474	.527	720	•542 •400	.622	.449	.331 .314	.323	•296 •248	1.618
	J 3, 12 II	<b>.</b>	4 1 7 2		4770	47£/i	- (Z())	- <del>4</del> UU	47'(7)	4937	4917	1 4771	A/901	-001

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DATA PROCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS 45=:77

#### TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN.	FEB.	MAR	APR.	MAY	JUN,	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
45						_						1,52	
46	-13	.19	.67	.54	2.03	3.51	1.49	70	1.76	1.80	1.23	.41	14.40
47	.54	.79	1.18	.24		2.02	•09	.30	.99	.36	1.25	.90	* 8.97
48	73	.37	.93	• 47	3.58	3.38	1.76	. 59	33	.39	.43	2,01	14.9
49	2.96	.73	1.00	.06	2.87	1.70	1.41	.24	.61	.93	.02	.76	13.29
50	.87	01	1.88	1.13	.66	2.01	3.75	3.20	.44	05	.93	19	15.17
51	.42	.95	1.34	2.24	1.85	2.04	2.88	1.84	1.51	1.04	.35	1,67	18.13
52	.19	. 93	.77	•40	1.18	1.11	.13	.78	19	12	. 75	.09	6.64
53	.19	.61	.48	2.02	6.55	5.19	TRACE	1.40	1.06	.18	.08	1,04	18.80
54	,58	.45	,75	.64	.78	4.82	•72	1.96	1.82	1.72	.08	02	14,34
55	1.11	1.21	1.52	2.52	4.02	1.12	3.75	.06	.10	.61	2.01	.86	18.89
56	.63	.21	.23	.68	1.44	2.22	1.19	1.20	.24	. 75	19	.58	9.50
57	1.35	.58	.47	.62	2.60	3.10	.49	1.07	1.31	.92	.38	.12	13.04
58	.32	1,65	.56	.52	1.34	4.63	2,26	.61	15	.39	.63	1.01	14.0
59	.82	.53	.24	.67	3.26	2.38	.21	.60	1.55	1.08	3.93	.25	15.5
60	.20	,42	.09	1.60	2.25	.83	.45	3.74	•40	.03	.67	.10	10.8
61	.10	.33	.67	.84	1.61	.33	1.32	.24	1.58	.24	.79	.20	8.2.
62	1.51	.47	.46	.52	5.31	2.70	1.45	1.70	.40	1.54	.28	.71	17.0
63	.81	.21	.36	1.03	1.70	3.21	.94	.42	.49	1.15	.17	. ,88	11.3
64	.40	.35	1.64	1.70	5.17	4.76	1.59	1.45	.39	TRACE	.70	.87	19.0
65	1.10	1.03	. 45	1,57	1.43	5.19	1.77	1.95	1.92	TRACE	1.04	.66	18.1
66	1.71	.82	1.07	.91	1.21	2.38	1.31	1.67	.32	1.72	1.48	.83	15.4
67	.72	.48	2.49	2.21	1.88	3.42	1.53	.24	2.71	1.63	.49	1.72	19.5
68	1.16	.25	2,49	1.32	2.88	3.32	.12	2.76	3.41	•04	.87	1.31	18.2
69	1.46	.35	.61	.30	1.48	4.79	1.37	.20	.18	1.03	.13	.50	12.4
70	.96	1.30	.62	.92	4.43	4.30	1.27	49	.32	.66	41	.42	16.3
71	.75	.46	.71	.44	2.59	.82	.35	1.50	1.60	.48	.13	.73	10,5
72	.89	.31	.62	.60	2.20	.24	1.96	1.56	.78	.71	.20	1.21	11,2
73	.09	.20	.26	2.87	1.04	1.35	•09	.99	1.41	.88	.86	1,32	11.3
74	.40	.12	69	.63	4.33	1.74	.68	4.89	1.01	-43	20	19	15.3
MEAN													a resistant de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della compa
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TOTAL OBS.		<del></del>	<del></del>								<u> </u> -		

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC NORM 0-88-5 (OLA)

DATA PROCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

24112

MALMSTRUM AFR MT/GREAT FALLS

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YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
75 76	.86	.31 .28	.75	3.31	3.90	4.69	1.44	2.38	.73	2.79	.54	,20 ,53	21.90 13.55
77	.71	•12	,57	.25	2.59	1.39	2.18	1.88	2.28	.56	.34		,
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MEAN S. D.	.780 .590	.532 .382	.791 .518	1.093	2.559	2.804 1.537 959	12311	1.412	1.009	764	.692	.744	14.577
TOTAL OBS.	992	904	992	906/	1 9 / 7	12737	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10132	947	992	746 960	992	3.643 11686

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC ALL O-00-5 (OLA)

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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# **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS 46-77
STATION NAME YEARS

						AM	OUNTS (II	NCHES}						PERCENT	-0-4	MON	HLY AMO	
PRECIP.	NONE	TRACE	.01	.0205	.0610	,1125	.2650	.51-1.00	1.01-2.50	2.51-5 00	5.01-10 00	10 01-20.00	OVER 20.00	1	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0 4	0.5-1.4	1.5-2.4	2.5.3.4	3.5.4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25.36	37.48	49-60	61-120	OVER 120	AMTS				
JAN	50.9	23.5	9.7	10.1	2.6	1.5	.7	. 8	.2					25.6	992	8,8	23.4	,9
FEB	56.6	21.3	0.5	9.5	1.9	1.0	. 6	, 3	.2					22.0	904	6.2	21.5	. 4
MAR	56.9	20.5	813	8.8	2.7	1,.5	,5	.8	. 1					22.7	1992	.7.8	21.6	1:2
APR	68.4	15.3	6.4	5.6	1.9	1.0	.3	.6	.3	. 1				16.3	960	6.4	20.6	TRAÇE
MAY	91.7	5.4	3	•8	.5	, 2								2.8	1992	. 8	5.0	٥٠
אטנ	<b>99</b> ,0	.6		.2	. 1		.1							.4	· <b>96</b> 6	,2	4.5	•0
JUL	99.8	.2													992	TRACE	TAACE	• • •
AUG	99.8	. , 2					`	•							992	TRACE	TRACE	,,
SEP	93.3	4.3	•7	. و	,3	.4		1	,					2.4	960	1.0	10.0	۰۰
.ост	64.4	7.1	1.9	2,6	1.1	. 3	,3	,2	. 1					6.6	992	2.6	13.3	• 6
NOV	68.4	15.0	4.7	6.9	2.4	1.5	,4	.5	.1					16.6	960	6.5	18.1	TRACE
DEC	60.2	18.6	7.8	6.9	3.5	2,0	8	, 1		3		,		21.1	961	7.4	18,3	
ANNUAL	77.4	11.2	4.1	4.3	1.9	9.4	٠į		: 51	ìo	•			11.4	11657	47.7	$\supset$	$\setminus$

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PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETS

DATA PROCESSING BRANCH USAF/ETAC/OL A ÄIR WEÄTHER SERVICE/MAC

## **EXTREME VALUES**

SNOWFALL

(FROM DAILY OBSERVATIONS)

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24112 MALMSTRUM AFB MT/GREAT FALLS 46-77

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46 47	2.2 3.1	.9 2.7	3,5 7,2	• 1	TRACE	•0	•0	• •	•0 1.7	1.4	6.5	1.7	6.5 7.2
48 49	1.4	9 3 1	2.0	2.0 TRACE	1.9	•0 Trace	TRACE	• 0		3.9	1.9 TRACE	2.4	3,9
50	2.8	1	4.6		1.4	4,0	•0				3 · 2	1.3	4.6
51	2.8	9.8	4.3	1.3	1 0	1.0	.0	0	201	1.8	1.9	3.0	9.8
52	.8	3.7	2.6	2	.0	• 0	.0	•0	.0	•0	-	9	3.7
53		3.2	1.5	1.4	1.3	• 0	.0	• 0	.0	•0	TRACE	3.5	3.9
54	1.3	1.8	1.5	1.8	.3	TRACE	•0	•0		7.7	.7	.2	7.7
55	8.d	3.6	2.9	7.6	2.4	• 0	0	0	TRACE	. 8	5.8	3.4	8.0
56	2.6	. 8	1.2	2.4	2.6	• 0	.0	TRACE	TRACE	1.5	.7	3.1	3.1
57	3.7	2.5	5	3.9	0	0		• 0	.5	1.6	1.0		3.9
58	1.1	8.1	2.8	1.0	•0	• 0	•0	•0	TRACE	•1	2.6	4.4	8.1
59	5.7	6.0	1.8	1.9	TRACE	• 0	0	.0	. 8	3.3	9.5	3.5	9:5
60	۰9	2.9	.6	5.5	2.4	• 0	.0	•0	.0	TRACE	3.4	1.0	5 • 5
61	. 8	2	5.5	1.7	TRACE	0	0			1	4.6	1.5	5.5
62	4.6	3.0 1.3	1.9	TRACE	TRACE	• 0	•0	•0	1.6	•0	1.8	1.8	4.6
63	2.3		3,1	4,3	TRACE	0	0	0	.0	.0	1.0	3.0	4,3
64	6.1	2.0	3,3	2,5	TRACE	• 0	•0	• 0	TRACE	TRACE	1.7	3.8	6.1
65	6.4	2,3	9	2.5	1	TRACE	0	0	2.1	•0		3.0	6,4
66	5.9	3.1	5.4	1.4	TRACE	• 0	.0	TRACE	•0	2.2	3.1	3.0	5,9
67	3.6	1.3	6,3	7.0	3.3	•0	0	•0		6	4,9	3.8	7.0
68	3.7	. 5	5,6	6.3	. 2	• 0	•0	•0	3.4	• 1	3.4	6.0	6.3
69	7.0	1.6	3.0	1,1	TRACE	2.2	. 0	•0	.0	1.6	• 5	3.2	7,5
70	2.5	3.9	2.4	9.6	1.4	•0	• 0	•0	1.2	1.6	2.5	2.1	9.6 3.7
71	3.7	1.6	1.07	1.8	TRACE	•0	.0	•0	TRACE		1+6	2.8	
72	5.2	5.0	3,6	2.1	TRACE	•0	TRACE	•0	.8	3.6	4.1	3.6	5.2
73	. 9	+3	6	14,5	TRACE	. 0	.0	•0	3.2	1.6	5.3	3.5	14e
74	4.6	.6	1,6	• •	TRACE	• 0	.0	•0		5	TRACE	1.4	7,6
75 MEAN	2.3		<u>5 6</u>	5.5	TRACE	0	0	0	0	5.9	147	7	<u>5</u> ,9
S. D											<del></del>		
TOTAL OSS.		<del></del>									<b></b>		
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NOTE \* (BASED ON LESS THAN FULL HONTHS)

USAF ETAC FORM 0-86-5 (OLA)

DATA PROCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

#### **EXTREME VALUES**

SNOWFALL

(FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS

#### 24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76 77	1.1	1.9	5,5 2,5	4,6	TRACE	TRACE	•0	•0	•0	.3 3.4	4•0 2•5	2.9	5 • !
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MEAN S. D.	3.28	2.53 2.201 904	3.10	3.13	.63 .973	-23	IRAGE	TRACE	.78	1.56	2.78	2,58 1,298 961	
TOTAL OBS.	COUCI	E P CUI	1000	361(1	992	046	900	902	940	0077	64.79	041	1165

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DATA PRUCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS 46-77

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	3.0	2.6	4,5	.1	TRACE	• 0	•0	•0	•0	4.7	10.3	4.1	29•
47	5.4	7.9	11.6	1.2	0	C	. 0	0	2.4	2	11.7	6.1	46.
48	6.0	3.4	9.5	3.3	. 4	• 0	TRACE	•0	TRACE	. 3.9	3.3	6.0	35.1
49	11.4	7.3	9.1	TRACE	2.0	TRACE	0	0	TRACE	4.6	TRACE	8.3	42.
50	9.1	. 1	18,8		1.6	4.5	• 0	•0	2.7	TRACE	9.3	1.4	53.4
51	4.3	12.2	16.5	2.2	1.5	1.00	0	0	. 3	4.4	3.4	18.3	64.
52	1.9	9.8	6.9	.2	• 0	• 0	.0	• 0	•0	•0	7.5	• 9	27.2
53	1.4	6.1	3.1	3.0	1.3	es.	0	.0	0	0	TRACE	10.5	25,0
54	7.4	1.8	8.3		. 3	TRACE	•0	• 0	10.0	8.9	.7	• 2	43.
55	9.0	12.6	15.3		3.8	0	0	.0	TRACE	. 8	18.1	8.3	86.5
56	6.0	2.1	2,3	5.6	5.0	• 0	.0	TRACE	TRACE	2.2	1.4	8.3	32.9
57	16.3	6.1	2.0		.0	0	0	• 0	5	6.1	3.3	1	40.1
58	1.7	21.5	6.3		•0	•0	•0	•0	TRACE	•1	7.8	14.2	53.
59	20.5	13.7	3.6		TRACE	0	0	0		7.1	15.4	3.8	68.
60	3.5	6.2	1.2		2.4	• 0	.0	•0	.0	TRACE	10.6	3.1	39 • 1
61	1.5	. 2	5.5	2.7	TRACE	0	.0	.0	1	1	14:2	3.4	27.
62	14.6	6.4	3,6		TRACE	• 0	.0	•0	1.6	· •0	1.8	3.4	31.0
63	8.4	2.1	3,6	8.6	TRACE	0	.0	0	0	.0	1.1	8.8	32.
64	6.2	3.4	10.4	7.4	TRACE	• 0	.0	•0	TRACE	TRACE	6.2	10.1	43.
65	9.4	11.5	5.1	8.8	1	TRACE	0	.0	2.9	0	8.5	7.4	53.
66	16.8	77.7	10.7	4.0	TRACE	• 0	.0	TRACE	.0	2.7	16.0	8.6	66.
67	8.2	4.8	21.8	20.6	3.8	.0	.0	0	0	. 6	8.4	17.2	85.4
68	11.5	1.7	9,4	8.5	. 2		0	•0	3.4	• 1	4.1	18.0	56.9
69	23.4	4,0	6.6		TRACE	2.2	.0	.0	0	4.1		5.4	48,
70	8.9	15.2	5.5	17.4	2.2	• 0	•0	•0	1.8	3.3	6+6	6.9	67 • 1
71	16.4	7.0	6.8	2.0	TRACE	•0	. 0	٥٠		4.8	2.1	11.4	50.
72	17.6	6.7	9.4	2.2	TRACE	•0	TRACE	•0	.8	6.3	4.7	11.6	59.
73	. 9	2.1	1.7		TRACE	0	.0	•0		1.7	15.1	9.1	554
74	10.4	1,7	5.4	2.1	TRACE	•0	•0	•0	• 4	.7	TRACE	2.7	23,
75	10.7	4.7	12.9	16.4	IRACE	0	0	٥		13.3	6.5	2.2	640
MEAN											,		
<b>S.</b> D.						•							
TOTAL OBS.					-								

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC TOM DAGS (OLA)

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DATA PRUCESSING BRANCH USÁF/ETAC/OL A ÄIR WEÄTHER SERVICE/MAC

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS
STATION NAME

46-77

YEARS

#### TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	ост.	NOV.	DEC	ALL MONTHS
76 . 77	2.7 7.4	3.5 1.0	6,6 6,5	9.3 1.3	TRACE	TRACE	•0	•0	•0	•3 3.6	6 • 2 4 • 7	9.3	37.9
							·			: 			
								•					
													<del></del> -
· ,													•
													•
MEAN	8.81	6.18	7.83	6.38	.82	.24	TRACE	TRACE	.99	2.64	.6.49	7,39 5,004 961	48.24
\$. D.	5,919	4,916	5.007	6,301	1,349	.884	•000	.000	2.005	3.201	5.239	5.004	48.24 16.792 11657
TOTAL OBS.	992	904	992	960	992	960	992	992	960	992	960	961	11657

NOTE \* (BASED ON LESS THAN RULL MONTHS)

USAF ETAC ALM 0-05 (OLA)

### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS 45-77
STATION NAME YEARS

						AM	OUNTS (II	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	.2650	.51-1.00	1.01-2 50	2.51-5.00	5.01-10.00	10.01-20 00	OVER 20.00		TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5.4.4	4.5-6 4	6.5-10 4	10 5-15.4	15.5-25 4	25.5-50.4	OVER 50.4	MEASUR- ABLE	OF OBS.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7.12	13-24	25.36	37-48	49-60	61-120	OVER 120	AMTS	and a Cold and a Colonial of			
JAN	34.3	12.0	12.2	9.3	7.0	15.5	7.9	1.8	• 1			ļ	<u> </u>	53.7	992			
FEB	49.0	11.8	9.4	7.1	6,1	11.6	4.3	٠,						39.2	904			
MAR	57.6	9.6	7.2	5,6	5.7	10.9	2.7	.5						32.7	992			
A2R	84.3	6.0	3.9	1.5	k e.1	1.9	.9	. 4						9.7	960			
MAY	78.2	1.2	.3	.2										.6	992			
NUL	99.5			<b>4 1</b>		. 1					ļ		,	.2	960			
JUL	100.0			· `											992			
AUG	100.0														992			
SEP	.98.3	. 8	.9	. 3										و.	960			
ост	92.2	3.5	1.5	1.2	, 8	, 6								4.1	992			
ноч	68.9	8,2	6+0	4.7	3.4	6.9	1.9	·	*					22.9	960			
DEC	48.0	10.2	9.6	9.2	6,9	9.4	6.6	.3						41.8	992			,
ANNUÁL	77.6	5.3	4.2	3.3	2,4	4.7	2.0	.e/3	٠, د					17.1	11483		$\geq$	$\geq$

1210 WS JUL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

DATA PRUCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

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### EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

24112 MALMSTROM AFB HT/GREAT FALLS 45-77

-77\_\_\_\_

YEARS

#### DAILY SNOW DEPTH IN INCHES

MONTH	MAL	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост.	NOV.	DEC	ALL MONTHS
45												16	
46	2		<u> </u>	<u>d</u>	0	0	0	0	0	2		6	
47	3	4	5	1	0	0	O	0	TRACE	TRACE	4	2	
48	5	2i	4	2	TRACE	0	0	0	0	Ω	1	2	
49 50	27	7,	6	TRACE	2	0	0	0	1	5	·Q	6	27
	6	3	8		TRACE	4	0	0	2	3	4	4	
51	3	1 q	15	1	TRACE	0	0	0	TRACE	3,	3	11	1:
52	10	7	7	TRACE	O	0	0	0	0	0	7	6	
53	1į	2	6	TRACE	TRACE	0	O	0	0	0	TRACE	4	
54	9	2	4	2	1	0	0	0		2	1	TRACE	
55	8	4	6	13	2	0	0	0	0	TRACE	77	7	13
56	3	3	1	1	3	0	ΩΩ	0	0	1	1		
57	7	9	2	1	G,	0	0	0		3	4	TRACE	9
58	1	11	8	TRACE	0	0	0	0	0	TRACE	4	9	<u>l</u> j
59	8	17	2	1	O <sub>i</sub>	0	0	0	0	3	11	2	13
60	5	5	4	8	0	0	0	.ŏ		O	- 6	3	
61	2	TRACE	4	2	O <sub>i</sub>	0	) O	0		· -1	7	3	
62	10	3	3	TRACE	0	0	O	0	Q	0	2	4	
63	7	7	TRACE	5	O	0	0	0	0	0	1	7	
64	6	2			0	0	O	0	0	0		9	
65	7	5	5	3	0	0	0	0	2	0	5	3	
66	12	4	6	1	0	0	0	0	0	0		7	1
67	4	1	1	7	1	O	) 0	0	0	0	5	8	
68	- 9	3			q		<u> </u>	0			<u>'0</u>	10	10
69	18	14	8	g	0	2	0	0	0	2	1	4	į į
70		5	9		0	0	0	0	ļ—_ <u>Ī</u>	3	2		
71	14	3	3	3	Q	C	0	0		Z	.2	5	1.4
72	<u>1</u> g			TRACE	0	0	<u> </u>	0					<u></u>
73	3	1	1	17	TRACE	0	) 0	0		TRACE	,6	•	j.
74			Z		0	0	<u> </u>	۵	<u> </u>	TRACE			
MEAN							<del> </del>						
S. D							<b> </b>		ļ				
TOTAL OSS.	1	NOTE			1 4:00				L	L		Li	

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC POMM 0-88-5 (OLA)

### EXTREME VALUES

SNOW DEPTH

<b>ROM</b>	CARY	OBSERVATION	S١

24112 MALMSTROM AFR MT/GREAT FALLS 45=77

5=77\_\_\_\_\_\_

#### DAILY SNOW DEPTH IN INCHES

75 76 77	5 5 2 7 1 1	6677	3	0 0	0	0 0	0 0	0	3 TRACE	4	3 4	
77	7 1		3	Ŏ	0			0	1			
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MEAN 7.	1 4.8	5.0	3.3 4.337	.3 .729	.780	0	•0	3	1.491	3.9	5.2	10.7
5. D. 5.28 TOTAL OBS. 99	5 3.867	3.048	4.337	•729 992	.780 960	292	-000 992	- 644	1.491	2.791 960	3-326	10.1 4.82 1168

NOTE \* (BASED ON LESS THAN FULL HONTHS)

USAF ETAC AN M 048-3 (OLA)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

\*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knows) in increments of Beaufort classi Logations. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data more light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- . A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\* Values for means and standard deviations do not include measurements f. om incomplete months.

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 $\mathcal{C}$ DATA PROCESSING BRANCH USAF/ETAC/DL A AIR WEATHER SERVICE/MAC **EXTREME VALUES** SURFACE WINDS (FROM DAILY OBSTRVATIONS) **(**: 24112 MALMSTROM AFB MT/GREAT FALLS 46-77 DAILY PEAK GUSTS IN KNOTS MONTH. C NOV. YEAR SW +43WNW+26W \*26|SSW\*45|SSW\*56|SSW\*36|SW \*38 WSW 54MSW 50SW 47 45SW 5655W 435W 4555W 4555W 4955W 54 615 48 50MSW 57MSW 465SW\*47MNW 395SW 45MSW\*43SSW 615W 57MNW 62MSW 63M WSW 63 WSW 49HNW 45WSW 54WSW 63W 44WSW 43W 50WSW 44WSW 42WSW 50WSW 49SW WSW 63 €. 50 43 54NSW 30NSW 335 46WSW 49WNW 52NNW 36WNW 55NNE 42SW 471 485W 40 WNW 55 58WNW 43WSW 41WSW 43W WSW 44WSW 50WNW 43WSW\*36W \*41W 44MSW 58 47 NW 52 51NW 48WSW 49WSW 42WSW 53WNW 39W 38WSW 60W 46WNW 35W ( 53 SSW 52W WSW 60 SW \*50 56 18\* 3111\* 1318\* 3311\* 2911\* 2418/ 4612\* 2511\* 3918\* 3711\* 1418\* 2711\* 29

22\* 2312\* 3118\* 2722\* 2611\* 2834\* 2918\* 2518\* 2511\* 2511\* 2811\* 3318\* 20

11\* 1811\* 3312\* 2912\* 2312\* 2111\* 3311\* 3011\* 3011\* 3011\* 3018\* 2711\* 31

11\* 2212\* 1412\* 1718\* 343\* 2811\* 4012\* 2511\* 2118\* 3411\* 24

11\* 3118\* 4118\* 3318\* 3634\* 2918\* 2611\* 3911\* 3422\* 1711\* 2412\* 911\* 17

18\* 5111\* 2433\* 2818\* 3112\* 2322\* 2433\* 2422\* 2622\* 2618\* 2922\* 2018\* 31

18\* 2612\* 3511\* 3618/ 4212\* 3412\* 3011\* 3218\* 2911\* 2511\* 3511\* 1718\* 29

18\* 4112\* 2818\* 3111\* 2418\* 4011\* 3233\* 2612\* 2511\* 2718\* 2622\* 3511\* 20

18\* 1611\* 2618\* 3018/ 3332\* 3522\* 2822\* 2518\* 2412\* 2011\* 2711\* 3518\* 25

18\* 2218\* 4012\* 4618\* 2418\* 2922\* 2818\* 3633/ 4211\* 29

11\* 3218\* 33

11\* 4322\* 2318\* 2518\* 3311\* 3711\* 2334\* 5022\* 5427/ 3826/ 3926/ 4321/ 50 18/.46 11\* 33 58 1 59 11\* 60 11\* 35 61 18\* 41 62 18\* 51 63 18/ 42 18\* 41 65 18/ 39 67 11\* 4322\* 2318\* 2518\* 3311\* 3711\* 2334\* 5022\* 5427/ 3826/ 3926/ 4321/ 50 22\* 54 68 21/ 3322/ 3824/ 3824/ 4330/ 39 4/ 3328/ 4125/ 5021\* 3034\* 28 25\* 37 24/ 5028/ 5424/ 4426/ 4824/ 3426/ 7824/ 4828/ 4024/ 5023/ 4125/ 4624/ 46 25/ 4624/ 4527/ 44 5/ 4926/ 4526/ 3628/ 3824/ 4936/ 4229/ 5030/ 4925/ 44 69 26/ /8 70 71 29/ 50 5025/ 4022/ 3730/ 3927/ 5432/ 3025/ 3124/ 3522/ 4825/ 5525/ 55 72 24/ 25/ 3824/ 3126/ 4328/ 4026/ 4813/ 5326/ 4230/ 6225/ 3525/ 4425/ 4023/ 27/ 5327/ 4025/ 5428/ 4026/ 42 2/ 3629/ 4429/ 3225/ 3628/ 3924/ 4424/ 73 4023/ 44 30/ 74 25/ 54 75 24/ 4324/ 3624/ 4035/ 3126/ 3524/ 3324/ 5024/ 4128/ 3527/ 4525/ 5123/ 46 MEAN S.D

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NOTES \* (BASED ON LESS THAN FULL MONTHS)
USAFETAC NOW 0403 (OLA) \$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

DATA PRUCESSING BRANCH USAF/ETAC/OL A AIR WEATHER SERVICE/MAC

## EXTREME VALUES

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SURFACE WINDS

(FROM DAILY OBSERVATIONS,

24112 MALMSTRUM AFB MT/GREAT FALLS

STATION NAME

YEARS

(FROM DAILY OBSERVATIONS,

YEARS

#### DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.		FEB	MAR	2.	APR.	MA	Y	JUN.		JUL.	AU	G.	SEP		00	т.	ОИ	V.	DI	c.	ALL MONTH	15
76 77	24/ 4 23/ 4	824 125	/ 50 / 44	25/ 25/	453 452	6/ 39	26/	41 35	27/ : 27/ :	342 392	2/ 47	25/	36 46	32/ 33/	32 32	23/ 2 <b>3</b> /	38 39	23/ 22/	42 48	23/	45	27/	54
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		+			-		-	<b>,</b> _		+	<del></del>											•	
MEAN	45,	9	46.5	47	4.1	42.	1 4	2.6	44	, O	47.4 6.548	4	4,9	40	3.3	4	3.6	-41	6 9 4	4	8.4.	5	8,2
\$. D.	5.66	3 8	,26	5.7	788	7.32	4 6.	734	11.2	25	6.54	10.	160	7.0	583	6.	772	6.		5.	257	<u> </u>	217
TOTAL OBS.	59	8	569	1 6	64	66	6	<u> 676</u>	6	9.3	686	يـــــــــــــــــــــــــــــــــــــ	693		لغد		619		125	L	584	7	739

NOTES \* (BASED ON LESS THAN FULL MONTHS)
FETAC MM 0-00-5 (OIA) S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTRUM AFB MT/GREAT FALLS	68-77	JAN
STATION	STATION NAME	YEAR	NONTH
	ALL	WEATHER	0000-0200
		CLASS	HOURS (L.S.Y.)
		CONDITION	
			<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.6		•2								4.0	5.7
NNE	1.0	1.4	1,3	• 4	.1							4.2	6.6
NE	1.1	1.5	1,0	1.2								4.7	7.1
ENE	• 6	1.2								Ī		1.8	3.8
E	• 4	•1										• • 5	3.0
ESE	• 1	• 1										•2	3.5
SE	• 2											•2	2.0
SSE	•4											.4	2.5
5	,9	•6										1.5	3.6
SSW	• 6	2.8	1.2	• 1	. 8	. 4						5.9	8.7
3W	1.8	3.5	6.0		2.8							23.2	11.7
WSW	1.4	3.0	4.5	6.5	5.8	1.2	•1					22.5	12.6
W	.6			2.4	1.2	• 1	•1					7.3	11.4
WNW	-4	+6		• 3								1.9	6.8
NW	1.0	• 8								1		2.8	5.9
NNW	1.0											3.0	5.8
VARBL			,							1		ì	
CALM	$\supset \subset$	> <	$\times$	$\times$	$\times$	$\times$	> <	$\geq$	$\geq$		><	15.7	
	12.7	19.8	18.4	18.7	10.6	3.9	• 2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

24.

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	<b>68-77</b>	NAL
STATION	STATION NAME	YEARS	MONTH
	ALI	. WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
		COMPLITION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	1.2	• 6	• 1		•1	<del></del>				3.7	7.8
NNE	8.	1.4	1.6	• 3	.1	• 2						4.4	7.8
NE	1.3	1.4	• 9	•6	• 1							4.3	6.2
ENE	• 3	• 5										• 9	3.3
E	• 4		• 1									• 5	3.2
ESE													,
SE	• 2											•2	2.0
SSE	• 3	• 2										•6	3.8
5	. 8	• 2		• 1								1.3	4.5
SSW	1.1	2.7	1.2	1.6								7.7	9.2
\$W	1.4	5.6	5.8	6.2	1.6	1.7	• 2					22.6	10.8
WSW	• 9	3.4	5,2	6.7	3.9	1.8	• 1	. 1				22.0	12.6
w	• 8	2.5		3.1	• 6	• 3						~9•0	10.0
WNW	• 2	• 6		• 4								1.6	
NW	• 1	• 6									•	1.3	6.0
NNW	• 5	1.2	1.4	• 3				<u>'</u>	<u> </u>			3.4	6.6
VARBL													
CALM	$\geq \leq$	$\times$	$\times$	$\mathbb{X}$	$\times$	$\times$	$\geq \leq$	$\geq \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	$\geq \leq$	$\geq \leq$	$\geq \leq$	16.3	
	9.6	21.5	20.2	20.1	7.4	4.3	.4	. 1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	JAN
STATION	STATION NAME	YEARS	MONTH
	Al	LL WEATHER	0600-0800
		CLASS	HOURS (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	1.5	1.2	• 8		. 1						4.0	7.8
NNE	1.0	1.9	1.2	•4	•1					· · · · · · · · · · · · · · · · · · ·		4.6	6.5
NE	1.1	1.7	1.0	• 5	.1							4.4	6.6
ENE	• 2	.4	• 3									1.0	5.1
Ę	- 8	•1										.9	2.4
ESE													
SE	•1											•1	3.0
SSE	• 2	• 4									-	•6	3.7
\$	.8	.5	• 4	• 2								1.9	5.6
SSW	• 5	2.2	1.3	1.0	.5	•1						3.6	8 • 4
SW	1.6	4.6	6.2	5.2	1.3	1.8	.4					21.2	11.0
WSW	1.1	3.7	4,8	6.9	4.5	2.0	•1	.1				23.2	12.9
w	1.0	1.9	3,2	2.9	1.1	•3						10.4	10.2
WNW	• 1	. 8	• 5	• 2								1.6	7.0
NW	• 4	1.2	• 5	•1	•1							2.4	6.1
NNW	1.1	• 9	, 5	•1								. 2.6	4.8
VARBL													-
CALM		> <	$\times$	> <	> <	$\times$	> <	$\geq$	$\geq$	$\times$	$\supset <$	15.5	
	10.3	21.8	21.3	18.3	7.7	4.4	5	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	JAN
HOITATE	STATION HAME	YEARS	MONTH
	ALL	, WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
И	. 8	1.3		• 5	.1							3.5	
NNE	1.4	2.2		1.3	• 1							7.1	7.3
NE	1.5	1.5		• 2	.1							4.6	
ENE	• 6	• 9	* 4									1.9	4.8
E	. 3	• 2										• 5	3.0
ESE													
SE	• 1											• 1	2.0
SSE	• 4			•1								• 5	5.2
\$	• 2	•9	• 1	• 1								1.3	4.9
SSW	1.3	1.5			• 9	• 3						5.9	9.6
SW	1.4	3.0		8.3	3.0	1.1	.4	.1				. 22.3	12.1
WSW	• 8	2.6		7.1		2.8	1.2					23.0	14.4
w	• 5	1.4	2,5	2.6	.6		•2					8.0	
WNW	• 4	1.3	, 2	• 1								2.0	5.2
NW	• 3	• 5	•6	• 3	.1							1.9	7.6
NNW	• 6	1.3	• 9			_						2.8	5.6
VARBL													
CALM	><	$\ge$	$\times$	$\times$	$\times$	$\ge$	$\geq$	> <	$\geq$	$\boxtimes$	$\geq \leq$	14.4	
	10.8	18.5	19.0	21.8	9.2	4.3	1.8	.1				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0.8-5 (OL-A) previous editions of this form are obsolete

C

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	JAN
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.0	1,4	1.1	.3	1						4.7	8.5
NNE	1.2	1.8		1.0		• 1						5.3	
NE	2.2	1.7	1.5	• 4								5.8	
ENE	1.1	-8										2.0	
E	.8	• 2										1.2	3.6
ESE	• 3	• 3										•6	
SE		•1										•1	4.0
SSE													
\$	• 1	• 2			• 1							• 4	
SSW	• 9	• 2	• 3	1.6								4.5	12.7
SW	1.1	2.4	3.5	6.8		2.6	•2	• 1				20.1	13.6
WSW	• 2	1.6		6.9		3.4	1.0					23.0	15.7
w	• 4	1.3	2+3			1.2	• 3	•1				11.2	13.6
WNW	•1	1.1	1.4	• 5	• 1	• 1						3.3	
NW	• 3	• 8		• 1	•1						<u> </u>	1.4	
NNW	•9	.9	1.0	• 2								2.9	5.7
VARBL											<u> </u>		
CALM	><	$\geq \leq$	$\times$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	13.3	
	10.3	14.3	17.2	22.5	12.8	7.8	1.5	, 2				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALF	1STRUM	AFB MI.		FALLS		68	-77		rears				DAM.
		312110			ALL W	EATHER		'					0-170
						A88						HOVE	(L.S.T.)
	_			<del> </del>	COM	DITION				<del></del>			
									•				
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 9	2.0	1,1	• 8	.2	•						4.9	7.0
NNE	1.3	1.6	• 9	1.3								5.1	7.
NE	1.6	2.4	1.1	• 2	• 1							5.4	5•
ENE	2.0	1.1	, 5									3.7	4.0
E	- 8	•1										.9	2.4
ESE	• 3											• 3	2•
SE	• 2	• 2	• 1									•5	4.0
SSE	• 6							·				•6	^2•2 4•1
S	•6	1.0	• 1	• 1								1.8	4.
SSW	• 9	• 9	1.3	•9								4.1	7.8
sw	• 6	1.5		6.0	2.7	1.3	• 1					16.3	12.
WSW	• 5	2.2	3,9			3.0	• 6					22.4	14.0
w	• 5	1.2				1.1	• 2	.1			•	12.5	
WNW	.3	. 4	• 8									2.0	8 • 6
NW	• 4	• 9		. 2	• 3					<u> </u>		2.0	7.
NNW	1.0	1.2	• 4	• 1								2.7	4.8
VARBL									Ļ	Ļ	<u> </u>		
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	14,7	
	12.7	16.6	17.3	22.5	9,7	5,4	1.0	, 2				100.0	9.0

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	MSTROM			FALLS		68	<del>-</del> 77						JAN
STATION			STATIO	NAME					1	EARS				ORTH
					_		FATHER			_				2000
						CI	A88						HOURS	(L.S.T.)
		_												
						CON	DITION			,				
		_												
					•									
1	r · · · · · · · · · · · · · · · · · · ·	11												
	SPEED (KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	<sub>%</sub>	MEAN WIND
	DIR.	'-	4.0	, , ,	•	" - 21	AA - A/	20 - 00	34 - 40	41 - 47	<b></b>		~	SPEED
	N	• 5	1.3	1.5	• 5	•1	`						4.0	7.3
	NNE	1.8				•1	• 1						5.4	6.9
	NE	1.3								· · · · · · ·			4.7	5.6
	ENE	.8	•8										2.7	5.6
	E	•6	•3									, , , , , , , , , , , , , , , , , , ,	1.0	3.0
	ESE		•1	•1									•2	6.0
	SE	• 3							•				• 5	2.8
	SSE	•4	•3										• 8	3.6
	5	1.5	•6	• 5		• 1					•		2.9	4.6
	SSW	.3		1.0	1.2	• 1		•1					4.9	8.4
	sw	1.1	3.2		4.9						_		19.1	11.2
	WSW	.5			6.9								22.0	13.9
	w	• 5	2.2			1.1	• 1	•1	.1				9.0	
	WNW	1.0									•	<u> </u>	1.9	4.4
	NW	•6			• 1					<u></u>			1.9	4.6
	NNW	- 8	•4	• 5	• 1	.3							2.2	7.6
	VARBL			لِــــا										
	CALM .	><	$\geq \leq$	><	$\geq \leq$	> <	$\geq \leq$	> <	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	16.7	
		12.2	18.7	. 21.4	17.2	9.5	3,3	1.0	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

VARBL

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	MSTROM	AFB MT	/GREAT	FALLS		68	-77						JAN
ROITATE		•	STATION	MAME						TEARS				ONTH
						ALL W	EATHER							2300
		_				cr	A96				<del></del> -		HOUSE	(L.S.Y.)
		_			·	CON	L'7 ION							
												•		
										•				
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	1.1	•6	1.1	• 8	.1	• 2						3.9	8.1
	NNE	1.7	1.9	1.8	• 2	.1							5.8	5.7
	NE	1.2	1.8	• 9	• 8	•2							4.8	
	ENE	• 6	• 9	• 2	· 3								2.0	5.6
	E	.5	•1								· ·		•6	2.5
	ESE	•1									1		••1	2.0
	SE	• 2											•2	3.0
	SSE	.6	•1	•1	•1								1.0	
	5	1.2	•9	• 2	•1								2.4	4.2
	SSW	•5	1.7	,9	•6	•6	• 3						4.7	9.7
	SW	1.7		5,5	6.0	3.2	1.3	• 2					22.6	11.2
	WSW	1.0		5,3	6.5	4.7	2.2	• 1					21.7	13.4
	w .	.9		2.2		1.3	• 3	• 2					8.6	
	WNW	.4		• 6									2.0	6.6
	NW	• 5	1.2										2.4	5.5

TOTAL NUMBER OF OBSERVATIONS 930

100.0

8.5

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	JAN
STATION	STATION NAME	YEARS	MONTH
	ALI	. WEATHER	ALL
	······································	CLASE	HOURS (L.S.T.)
		CONDITION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•8	1.3	1,2	•7	.1	.1	•0			<del></del>		4.1	7.4
NNE	1.3	1.7	1.4	•7	• 1	•1						5•2	6.9
NE	1.4	1.7	1.1	• 6	•1							4.9	6.1
ENE	• 8	• 8	•4	•0								2.0	4.5
E	•6	• 1	•0									-8	2.9
ESE	• 1	•1	•0		•				-			•2	3.5
SE	• 2	• 1	•0									•3	3.1
SSE	•4	•1	•0	•0								•6	3.6
\$	- 8	•6	•2	• 1	•0							1.7	4.6
SSW	• 8	1.8			.7	• 2	•0					5.4	9.3
SW	1.3	3.6	5.3	6.3	2.6	1.6						20.9	11.7
WSW	-8	2.6	4,6		4.7	2.3	•5	.0			-	22.5	13.8
. M	• 7	1.7	2,4	3.0	1.2	.4	• 1	.0				9.5	11.4
WNW	•4	• 8	,6	• 3	•0	•0						2.1	6.9
NW	•5	ė 9	• 4	• 2	.1		``					2.0	6.2
NNW	• 8	• 9	• 8	• 1	.0							2.7	5.8
VARBL						Υ							
CALM	$\supset <$	$\ge $	$\times$	$>\!\!<$	$\boxtimes$	$>\!\!<$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.2	
·	11.4	18.7	19.3	19.9	9.7	4,7	•9	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 7440

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTROM AFB MT/GREAT FALLS	68-77	FEB
STATION	STATION NAME	TLARS	KTKOM
	AL	L WEATHER	0000-0200
		CLA96	HOURS (L.S.T.)
		COMPLTION	<del>-</del>
		***************************************	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	1? - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 7	•6		• 5								2.2	
NNE	• 6	1.5	• 9	• 2								3.3	
NE	1.1	1.5	•6	•1	• 1							3.4	
ENE	• 4	• 6										1.1	4.6
E	• 2		• 2	• 1								•6	7.2
ESE													
SE	• 4										·	• 4	
SSE	• 1	• 2										• 4	
S	1.2	• 9										2.1	3.4
SSW	1.1	1.6	1,9	•7	۰,6	• 1						6.0	8.3
SW	2.4	4.9	8.8	8.0	1.1	.9						26.1	9.7
wsw	•7	3.5	5.2	6.9	3.1	1.3	•2					21.0	
w	1.1	2.1	2.1	2.8	•6	• 2						9∙0	
WNW	•4	•4	•6	•1								1.4	
NW	• 1	• 4	. 8									1.3	7.4
NNW	• 5	•1	• 9	• 2	•1							1.9	8.0
VARBL													
CALM	$\supset \subset$	> <	$\times$	$\times$	$\times$	$\times$	> <	$\boxtimes$	$\boxtimes$	$\geq$	$\geq \leq$	19.9	
	10.7	18.5	22.7	19.8	5.5	2.6	•2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 849

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

849

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	4STROM			FALLS		68	-77						EB .
STATION			STATION	HAME		Att to	e i Tileo		`	PRABS				•••• )••0500
		_					EATHER ***							(1.5.7.)
														•=====
		-	<del></del>			toni	NOITION	<del></del>		<del></del>				
		_	<del></del>		<del></del> =			<del></del>			<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.5	•9	•1	• 1	•1							1.8	5.7
	NNE	•4	1.3	1.4	• 8								3.9	8.0
	NE	• 5	• 8	• 4	•2								1.9	5.4
	ENE	•6	• 5	• 2									1.3	4.0
	E	•4	•1										• 5	3.0
	ESE	• 1											•1	3.0
	SE	• 1											•1	2.0
	SSE	•2	•2		• 1								•6	5.0
	5	• 6	•9	• 4	•								1.9	4.6
	SSW	2.1	1.6	1.6	1.4	•1							6.9	5.9
	SW	2.6	3.9	10.2	7.8	1.8	•2	• 2					26.7	9.8
	WSW	.8	3.5	4.9	6.5	3.2	•7	•4			1		20.0	11.7
	W	1.3	2.7	2.2	2.5	1.2	•2						10-1	9.5
	WWW	.9	7	,6	•2					1			2.5	5.8
	NW	• 5	•7	+8	•2					T		<u> </u>	2.2	6.6
	NNW	•1	• 9	•1	•1	,1					1		1.4	6.8
	VARBL										<u> </u>			
	CALM		$\times$	$\times$	> <	$\times$	$\times$	$\geq <$	> <	$\times$	$\searrow$		18.0	
		11.7	19.0	23.1	20.0	6,5	1.2	•6	~~************************************				100.0	7.5

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	STROM	AFB MT	/GREAT	FALLS		68	-77					F	EB
, <del>,</del>			STATIO	I HARE		ALL W	EATHER		· · · · · · · · · · · · · · · · · · ·	KARS			0600	0HTH )= 3800 (L.S.T.)
		_					DITION							(6.0.1.)
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
1	N	• 5	• 9	, 5	• 1								2.0	5.5
[	NNE	• 7	.9										3,3	7.9
	NE	• 5	1.5		• 5								2 • 8	6.3
	ENE		• 4										• 5	5.8
ĺ	E	• 1	• 2										• 4	4.3
	ESE			• 1					i				• 1	7.C
	SE	• 1	• 1										• 2	3.5
ļ	SSE	• 2											•6	3.6
	<u> </u>	.9			• 2				<u> </u>				2.8	5.4
l l	SSW	1.1	2.2				• 1						7.5	9.2
1	SW	2.1	4.6				• 4				<u> </u>		24.0	9.5
	W\$W	2.1	3.1	5.8			• 7		<u> </u>				20.4	10.
	W	1.4					• 1						11.0	. • 5
	WNW	• 2	• 6										1.6	6.8
- 1	NW	1.1	• 5			• 2	•1						2.5	7.1
	NNW	• 6	•6	• 2	• 1						<u> </u>		1.5	5.1
į	VARBL													
	CALM		><	$>\!\!<$	><	$>\!\!<$	><	><	><	$>\!\!<$	><	><	18.7	

TOTAL NUMBER OF OBSERVATIONS 849

100.0

7.2

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

20.6

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	FEB
HOITATE	STATION NAME	YEARS	MONTH
	ALL	WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	1.1	• 7	• 6	• 1							2.9	7.
NNE	1.3	1.3	1.1	1.1								4.7	6.
NE	• 5	1.3	• 8	• 9								3.5	7.
ENE	• 8	1.1	•4	• 2								2.5	5.
E	• 2	• 1										•4	3.
ESE		• 1										•1	4.0
SE	• 1	•1										•2	3.
SSE	• 5	• 2										.7	3.
S	• 1	•4	• 5	• 1	•2							1.3	9.4
SSW	• 8	• 2	• 8	1.2	1.1							4.1	11.
sw	1.5	1.9	4,8	10.5	3,4	1.1	•4	.1				23.7	12.
wsw	1.1	2.0	6.7	8.5	₹.6	1.5	• 5					22.9	12.6
w	1.8	1.9	2.2	2.6	1.1	•9						10.7	11.
WNW	• 7	.5	•7	•4	•1							2.4	7.0
NW	• 6	. 5	• 5									1.5	5.2
NNW	• 4	.8	•7	• 1	•1							2.1	6.0
VARBL													
CALM	> <	> <	> <	>	> <	$\times$	> <	>	><	><	> <	16.3	
	1C.5	13.4	19.9	26.1	8.7	3,5	1.1	.1	Francisco 2017			100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 849

MALHSTROM AFB MT/GREAT FALLS

24112

## SURFACE WINDS

FEB

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

68-77

STATION			STATIO	MAME					ή,	EARS				IONTH
							EATHER							0-1400
						C	LASS						NOURS	(L.S.T.)
						CON	DITION		<del></del>					
						•••	J.T.ION							
		-			<del></del>									
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	. 8	1.5	1,9	• 5								4.7	6.8
	NNE	.9	2.1	1.8	• 9								.5.8	6.6
	NE	.9								•			5.4	
	ENE	1.1	1.4	, 1	• 1	• 1							2.8	4.9
	E	1.2	•6	• 2									2.0	
	ESE			•1									•1	9.0
	SE	• 1		• 2									• 4	
	SSE	•1											• 1	2.0
	\$	• 2		• 4									• 8	
	SSW	. 4			1.8			• 1					4.9	
	SW	• 2						• 4					18.6	
	WSW	.6						• 9					22.7	15.3
	W	• 5						• 2	.1			<u> </u>	12.8	
	WNW	, 4				.5	4	•1			<u> </u>	<u> i</u>	3.9	
	NW	. 2				.1	. 1					<u> </u>	2.0	
	NNW	1.3	1.1	1.1	• 5							<u> </u>	3.9	6.2
	VARBL	L	<u></u>		<u></u>	Ĺ				<u> </u>				
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	>>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	9.0	
		0.0	15 0	20.1	38 3	110	4 5	, 0	,		1		100 0	

TOTAL NUMBER OF OBSERVATIONS 849

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

VARBL

CALM

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12	MALN	ISTROM			FALLS		68	-77						FEB
ATION			STATION	KAME			. <b>.</b>		7	EARS				NTHO
		_					FATHER							)-1700
						•	.A.						NOUR	(6.0.1.)
						con	DITION							
		_						<del></del>						
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	1.5	2.6	1.2	. 8					<del></del>			6.1	5.9
	NNE	• 8		1.3	•5	•2							6.1	6.5
	NE	1.3	3.5	2.4									8.1	6.2
	ENE	1.3											3.5	4.2
	E	1.6			• 1					· · · · · · · · · · · · · · · · · · ·			2.6	3.7
	ESE		•1	• 4									• 5	7.0
	\$E		•1	• 1									• 2	8.0
	SSE	•1											•1	2.0
	, \$	.5	• 5	• 4	•4	•1							1.8	7.4
	SSW	.4	• 7	1.4	1.2	.5						i	4.1	9.9
	SW	• 8	2.2	6.8	5.3	3.3	• 6						19.1	11.7
	WSW	• 2	.9	4.2	8.0	3.2	1.6	• 2	•1				18.6	14.1
	w	• 2		2,4			1,4	•1					10.0	14.3
	WNW	•1		.7	.9	•9							4.1	11.6
				-	-								7 7	A 1

TOTAL NUMBER OF OBSERVATIONS 849

7.8

9.4

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77		FEB
STATION	STATION NAME		YEARS	NONTH
	ALL	. WEATHER		1800-2000
		CLASS		HOURS (L.S.T.)
	•			
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	1.4	1.2	• 2								4.4	5.0
NNE	1.8	2.2	1.9	. 4	•1							6.4	5.9
NE	1.1	1.9	1.9	• 6								5.4	6.3
ENE	• 7	1.3										2.0	
E	• 5	. 4										. 8	3.3
ESE	• 2											• 2	3.0
SE	• 1	• 1	•1	• 1								. 5	7.0
SSE	• 5	• 2	• 1									• 8	
S	• 5	2.0	•6	• 2	. 1							3.4	
SSW	1.2	4.2	2.7	1.5	.1							9.8	7.2
SW	• 6	3.3	6.2	4.5	.8	• 7	•1					16.3	10.4
WSW	.4	2.1	4.1	6.1	2.6	• 2						15.5	11.8
w	. 9	1.3		4.1	.2	• 1						10.4	
WNW	•7	1.3	1,1	• 4								3.4	
NW	•7	1.1	• 7	. 4								2.8	6.3
NNW	• 2	• 4	•1	• 8				]				1.5	9.7
VARRL													
CALM	$\supset \subset$	$\ge $	$\geq$	$\geq <$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	16.4	
	11.5	23.2	24.4	19.3	4.0	1.1	•1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 849

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALI	MSTROM	AFB MT		FALLS	<del></del>	68	<del>-7</del> 7		rears				FER
					ALL W	FATHER		•					0-2300
	_		·. ·-			ASS .							(L.S.T.)
	_												
					CON	DITION				<del>-</del> _			
	_										•		
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	.4	1.2	•6	• 2				·	<del> </del>	-	2.7	9.5
NNE	1.3	1.6	1.3									4.5	
NE	1.4	1.4	• 8	.4								4.0	
ENE	• 5		• 1									•6	4.0
E	• 1		• 1									• 2	6.0
ESE	• 2		• 1									• 4	4.3
SE		•1	• 1							L		• 2	6.0
SSE	• 2	• 2	• 2									• 7	4 . 8
5	• 8		, 5	• 2								3.3	5.7
SSW	1.3	2.9	2.6	1.4	• 6	• 1						9•0	8.1

	10.4	20.4	26.0	17.8	4.8	1.2						100.0	7.1
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	19.4	
VARBL	<b></b>			·				Ļ	Ļ	Ļ	<u> </u>	78-7	
NNW	•6		• 5	•1				<u> </u>			<del> </del>	1.2	6 • -
NW	•4	. 8		•2				ļ			ļ	2.5	6.8
WNW	• 7	•7	•6					ļ	ļ			2.2	6.1
w	.9	2.6	1.9			1			<u> </u>	<u> </u>		8.6	8.5
WSW	. 8	3.3	5.5		1.3	• 6		<u> </u>	<u> </u>			18.4	10.8
SW	• 7	4.6	9.4		2.0	.4						22.1	9.5
SSW	1.3	2.9	2.6	1.4	.6							9•0	8 . 1
S	• 8	1.6	• 5	• 2	• 1							3.3	5.7
SSE	• 2	•2	, 2									• 7	4.8
SE		•1	• 1									• 2	6.0
ESE	• 2		• 1									• 4	4.2
E	• 1		• 1									• 2	6.0
ENE	• 5		• 1						7			•6	4.0

TOTAL NUMBER OF OBSERVATIONS 849

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	. 8-77	FEB
STATION	STATION NAME	YEARS	MTHOM
	AL	L WEATHER	ALL
		CLASS	HOURS (L.S.T.)
	•	COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.2	,9	• 4	.1							3.4	6.5
NNE	1.0	1.8	1.3	• 6	.0							4.7	6.6
NE	. 9	1.8	1.1	• 5	•0							4.3	6.2
ENE	• 7	• 9	• 2	•0	•0							1.8	4.5
E	• 5	• 3	•1	•0								• 9	4.0
ESE	• 1	•0	, 1									• 2	5.4
SE	• 1	• 1	• 1	•0								• 3	5.2
SSE	• 3	• 2	• 0	• 0								• 5	4.0
5	• 6	• 9	.4	• 2	• 1							2.2	5.7
55W	1.0	1.8		1.4	•6		•0					6.6	8.8
SW	1.4	3.3	7.3	7.2	2.1	. 7	• 1	.0				22.1	10.9
WSW	• 8	2.6			2.9	1.2	.3					19.9	12.4
W	1.0	2.0		3.0	1.0	• 6	•1	.0				10.3	10.8
WNW	• 5	.8		• 4	• 2	• 1	• 0					2.7	8.3
NW	• 5	.7	•7	• 2	•0	•0						2.2	7.1
NNW	•6	•7	•6	. 4	•0							2.3	7.0
VARBL										<u> </u>			
CALM	><	><	$\times$	><	$\times$	><	> <	$\times$	> <	><	><	15.7	
	10.7	19.0	22,6	21.6	7,1	2.7	. 5	. 1				100.0	8 • 2

TOTAL NUMBER OF OBSERVATIONS 6792

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

112	MALN	ASTROM			FALLS		63	-77						IAR
TION			STATION	MANE					,	TARS				DNTH
						ALL W	EATHER							0200
						CI	A\$8						HOURS	(L.S.T.)
		-		•		СОМ	DITION			<u>.</u>				
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Γ	N	.8		1.0	• 6		• 1						3.3	7.9
ľ	NNE	1.1	1.4	1.0	• 6								4.1	6.1
ſ	NE	• 2	1.6	•6	•2								2.7	6.4
Γ	ENE	.3											• 9	4.1
Γ	E	• 2	• 1	•1									• 4	4.5
Γ	ESE		• 2						,				• 2	4.0
ſ	SE	• 2											•8	3.7
ľ	SSE	• 4	•4	• 1									•8	4.4
ľ	5	. 8	1.5	• 5									2.8	5.2
Γ	SSW	1.6	4.3										9.0	6.5
Γ	SW	1.8	6.6	8.8	5.4	• 6							23.2	8.5
ſ	wsw	1.3	4.7	5,3	7.7	1.7	• 8	• 1					21.6	10.6
ſ	w	• 6	2.3	2.6	1.2	• 2	• 1						7.0	8.0
ſ	WNW	• 2		• 4	• 1				•		,		1.6	6.2
Γ	NW	. 5	• 4	1.0	• 2						]		2.2	6.6
ı	NNW	. 5		•4	•2	•2	• 2						2.4	9.2
ľ	VARSL													
	CAIM	><	$\supset <$	$\times$	> <	$\times$	$\times$	$\times$	> <	> <	$\times$	$\supset <$	17.1	
ſ		10.4	27.1	23,3	17.8	2.9	1.2	• 1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM G-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

930

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MAL	ISTRUM	AFB	MT/GREAT	FALLS		68	<b>-77</b>						MAR
STATION				ATION NAME					· · · · · · · · · · · · · · · · · · ·	EARS				MONTH
						ALL W	EATHER						030	0-0500
		-					LASS						IVOK	S (L.S.T.)
		-	· · ·			COI	HOITION	,						
-		<del></del>												·
į	SPEED		1	.				ـــ ـــ						MEAN WIND
ì	(KNTS)	1 • 3	4 - 6	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	SPEED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	1.0	1.0	• 3	. 2	•1						2.9	
NNE	• 9	1.9	1.0	• 5								4.3	
NE	• 6	• 4	• 6	• 3								2.0	
ENE	• 9	• 2										1.1	2.6
E	•1	• 2										• 3	3.3
ESE													
SE	•1	• 4		• 1								•6	
SSE	1.0	• 3	, 1									1.4	3.3
\$	1.4	. 8	• 5	• 3								3.0	5.1
SSW	1.4	4.0		•6								7.7	6.1
SW	2.3	6.8		4.8	1.1	• 1						23.4	8.5
WSW	1.4	3.3	7.7	6.3	1.9	.8						21.5	10.2
W	1.2	1.8	2.4	1.4	.6		•1					7.5	8.5
WNW	• 8	1.1	• 5	• 4								2.8	6.0
NW	•1	• 8	• 5	•1								1.5	
NNW	•6	• 3				•2						2.2	8.5
VARBL		•									ĵ.		
CAIM	$\supset \subset$	$\times$	$\times$	> <	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	$\boxtimes$		17.6	
	13.6	23,3	25,1	15.8	3.9	1.2	.1					100.0	6.7

NOTAL NUMBER OF OBSERVATIONS 930

NNW

CALM

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

112	MALI	ISTROM	AFB MT		FALLS		689	<del>-77</del>						1AR
TATION			STATION	NAME					1	TEARS				NTHO
							EATHER							0-0800
						CI	A <b>96</b>						HOUR	(L.S.T.)
		_			<del></del>	CON	DITION				<del></del>			
		-												
i	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	• 4	•6	• 8	• 8	.4							3.0	9.6
	NNE	. 8		1.3	• 5								4.5	7.5
	NE	.6	1.1	•8									2.7	5,8
	ENE	1.0	• 4	, 1									1.5	3.4
	E	•1	4										• 5	4.0
	ESE	• 1											•1	2.0
	SE	•1	,										• 1	2.0
	SSE	• 2	• • • • • • • • • • • • • • • • • • • •	•1	• 1								.5	6.0
	3	1.2	1.1	, 8	• 3								3.3	5.5
	\$\$W	1.5											7.8	5.6
	SW	1.9	5.8	9.9			• 2						24.5	8.9
	WSW	1.2			7.6	1.8		•1					24.0	10.4
	W	1.0	2.6	1.8			• 2						6.7	
	WNW	•3	.9	• 4	• 4	. 1	•2						2.4	9.1
		1			2					I			1.5	4.4

TOTAL NUMBER OF OBSERVATIONS

930

15.3

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

26.9

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALH	ISTRUM A	AFB MT		FALLS	<del></del>	68	-77		EARS				MAR
		•			AII W	EATHEO							0-1100
				<del></del>	ALL W	EATHER ASS							6 (L.S.T.)
	_				CON	DITION							
SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 • 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND
DIR.		7.0	,		.,		20 100	54 - 40	4, - 4,			~	SPEED
N	•9	• • 5	1,8		. 3							5.7	9.4
NNE	1.3	• 9	1.6	• 6	. 3							.4.7	7.3
NE	1.1	• 9	1.0	• 1								3.0	
ENE	1.2	- 8		• 1								2.0	2.7
E	• 4	• 2		• 1								• 8	4.6
ESE	• 1	• 1		•								• 2	3.0
SE			•1									.1	7.0
SSE	• 3	• 1										•4	2.8
5	. 4	• 2	• 2	•1	. 1							1.1	7.0
SSW	1.1	1.4		2.6	1.5	• 1						7.8	11.0
SW	. 5	2.3			4.2	1.0		<del></del>				19.0	13.0
WSW	• 5	2.0			4.8	. 2,5	• 5					26.2	
w	• 3	2.8		3.3	2.4	1.0	• 2					12.2	
WNW	• 2	1.1	•9	• 5	•1							2.8	
NW	• 2	1.2		• 1	,1	. 1						2.6	
NNW	• 3	•6		• 3	, 2	• 1		•				2.3	
VARBL													

TOTAL NUMBER OF OBSERVATIONS 930

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SFEED (FROM HOURLY OBSERVATIONS)

24112	MALHSTROM AFB HT/GREAT FALLS	66 <b>-77</b>		MAR
STATION	STATION NAME		YEARS	MONTK
	ALL	WEATHER		1200-1400
		CLASS		HOURS (L.S.T.)
		CONDITION		
		·		

CALM	6.9	14.2	21.2	26.3	16.6	8,3	1.1	.2				100.0	
YARBL												5.3	<del></del>
NNW	. • 3	1.0	1.8	1.8	.3							5.3	9.9
NW	• 6	•6		•5	.3	-1						3.5	9.0
WNW	• 5	•8		1.6	.5							5.4	9.8
w	• 3	1.4	2.3	4.3	2.6	3.0	• 2					14.1	14.8
wsw	• 4	1.7	3.1	6.3		3.7	•6					22,7	16.0
sw	• 2	1.0	4.3	4.7	4.3	1.2						15.9	14.0
SSW	• 1	. 8		1.8	.9	• 3						4.8	12.6
5	• 3	.4	• 3	•1	.3							1.5	8.1
SSE	• 3	•2	•2									.8	
SE	• 2											•2	4 • C
ESE	• 1	•2										•3	
E	• 6	• 2	• 1									1.0	
ENE	.6	1,2	• 2	•1							h	2.2	4.
NE	1.2	1.9		• 8						<del></del>		5.4	6.0
NNE	•1	2.0		.9	.2							5.1	8.
N N	. 8	.8	1.3	3.3	.5							6.7	10.9
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED

TOTAL NUMBER OF OBSERVATIONS 930

€. **2** 

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	MAR
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1500-1700
		CLA96	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3	1.5	2.0	2.3	1.0	.1			<u> </u>			8.2	9.
NNE	1.3	1.9	1,8	2.0	. 4	•1						7.5	8 •
NE	• 8	1.8	2,6	• 4								5.6	6.
ENE	• 4	1.6		• 1								2.7	5.
E	• 3	• 5	• 5									1.4	5.0
ESE	• 2		• 2									.4	6.4
SE	• 3	• 1	• 4	• 1								1.0	6.
SSE	• 2	• 1	. 4	• 1								• 9	6.0
S	• 4	• 3		1.0	. 1							2.5	9.0
SSW	• 3	1.4		1.8								6.2	10•
sw	• 5	1.7	1,8	5.8	2.2	. 8						12.8	12.
wsw	• 2	1.1	2.9	7.5	4.0			.1				18.6	15.
w	• 3	• 8		4.0								13.4	15.4
WNW	• 2	• 3		1.4	. 8							4.6	12.
NW	1.1	•6		i.5	• 2							5.2	8•
NNW	•	1.4	1.3	1.1	• 2					L .		4.4	8.
VARBL			7										
CALM	$>\!\!<$	><	$>\!\!<$	><	$>\!\!<$	$\times$	><	><	><	><	$\times$	4.5	
	8.4	15.3	22.8	29.1	13.3	5.8	•6	. 1				100.0	11.

TOTAL NUMBER OF OBSERVATIONS 930

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALH	STROM	AFB	MT	GREAT	F۸	LLS	_		68	<b>-</b> 77	_				i	MAR
STATION				STATION	HAME								TEARS				MTH
								AL	L W	EATHER						180	0-2000
		•							C	LASS						HOVE	(L.S.T.)
		_															
		•							COI	IDITION							
_		<del>,</del>			· · · · · · · · · · · · · · · · · ·					,		,				<del>,</del>	
	SPEED (KNTS) DIR.	1 - 3	4.	ه.	7 - 10	11	- 16	17 -	- 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	•	5	2.0	1.8		1.7		.4	• 1						6.8	9.1

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•6	2.0	1.8	1.7	• 4	• 1						6.8	
NNE	1.1	2.6	1.9	1.3	•3							7.2	7.7
NE	1.6	2.2	1.5									5.4	5.4
ENE	• 8	• 8	• 2	•1								1.8	
E	• 8	• 3										1.1	3.0
ESE	• 2	• 3										•5	3.8
SE	• 2	• 1	•1									• 4	4.5
SSE	• 4	• 3		• 1								• 9	
\$	1.6	2.2	1.5									5.9	
SSW	• 8	3.8								<u> </u>		8.8	7.1
SW	• 5	4.1	3.8		.9	• 5						13.0	
wsw	• 3	1.7	5.1	<b>6.</b> ق	•9	• 2	• 2					15.2	11.3
W	• 2	1.4			1.7	• 3		.1				13.3	11.9
WNW	• 5	• 3		• 8								2.5	8.2
NW	• 1	• 3								<u> </u>		•9	6.0
NNW	• 8	1.6	• 9	1.0	•3			<u> </u>				4.5	7.7
VARBL													
CALM	$\geq \leq$	$\geq \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.8	
	10.5	24.0	25.4	22.0	4.7	1.2	•2	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

_ М.	ALMSTROM	AFB MT		FALLS	<del></del>	68	-77		rears				MAR
					ALL W	EATHER						210	0-2300
	-				Ci	LASS	<u>-</u>			<del></del> -		HOVRE	(L.S.T.)
	-		<del></del>		CON	DITION	<del></del>		<del></del>	<u></u>			
SPEE						•					<b>.</b>		MEAN
(KNT:		4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
N	• :	1.4	• 9	• 9	.2	• 1						4.0	8.3
NNI	1.			1.0								5.3	7.7
NE	• (	2.2	1,3	• 3								4.4	6.1
ENE	• 4	• 6										• 9	4.4
E													
ESE	•		• 1									• 2	6.0
SE	•	1.3		• 1							···	1.7	5.7
SSE	• .	2 .6	• 2									1.1	4.9
S	1.0	2.9	1.6	• 2								6.3	
55W		4.7	2.0							Ţ		8.6	6.8
SW	1.0	5.5	7.8	2.9	1.0	•1						18.3	8.5
WSV	, •.	2.5	5.3	8.1	.9							18.8	10.9
W		2.0	3.2	2.7	.2							8.9	9.0
WNV	v •	2 .6	,4	• 4	ļ — — — — — — — — — — — — — — — — — — —				1			1.7	6.9
NW	<del></del>		•6	•1								1.8	6.0
NNV	/				.2							3.3	
YARI		1			i								

TOTAL NUMBER OF OBSERVATIONS 930

100.0

7.0

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAL	MSTRUM			FALLS		68	-77			·			MAR
STATION NAME YEARS											ALL		
	_		ALL WEATHER									HOURE	(L.S.T.)
	- -				CON	DITION				<del></del>			
SPEED (KN1S) DIR.	1 - 3	4 · 6	z • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.1	1.3		. 4	• 1						5.1	9.4
NNE	.9	1.7	1.5	• 9	.2	•0						5.9	7.5
NE	•8			• 3								3.9	
ENE	.7	• 8	•1	• 1								1.6	4.4
E	• 3	• 3		•0						,		• 7	4.2
ESE	•1	•1	•0									• 3	4,4
SE	• 2			•0								•6	5.2
SSE	. 4			•0								• 8	4.7
S	1.0				• 1							3.3	
SSW	.9				• 5	•1						7.6	8.0
sw	1.1				1.9	• 3	•0					18.8	10.2
WSW	.7		5,3				• 3					21.1	12.5
W	-6						• 1	•0				10.4	11.8
WNW	.4		• 9		• 2	• 1						3.0	8.9
NW	• 4		• 8		.1	•0				<u> </u>		2.4	7.6
NNW	• 5	.9	, 9	• 7	.2	• 1						3.2	8.5
VARBL													
CALM				$\sim$		$\searrow$	$\times$	$\sim$	$\sim$	$\sim$	$\sim$	11.9	

TOTAL NUMBER OF OBSERVATIONS

8.6

7440

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

900

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MAL	MSTROM	AFB MT/GREAT FALLS 68-77							APR				
MOITATE			STATIO	SMAN !						YEARS				ONTH
		ALL WEATHER									0000-0200			
		_	CLASS											
						CON	01716							
		_										•		
		T	1						·					
	SPEED (KNTS)	1.3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND
	DIR.													SPEED
	N	• 7		1.0	•6	. 1							3.4	7.5
	NNE	• 9	1.3		1.1	.6							4.6	8 • 4
	NE	• 7	.6	• 9	• 9	. 3			l				3.3	9.0
	ENE	.4			• 3	• 2							1.4	8.6
	E	• 3											•6	3.4
	ESE		.7	• 1									• 8	5.7
	SE	.3											1.7	6.7
	SSE	. 8			• 2								3.1	6.0
	5	2.2			• 1								7.7	5.0
	SSW	1.6											8.2	5.6
	sw	2.3					• 1						17.3	7.6
	WSW	. 9			5.2	.3	• 2						16.7	9•3
	W	1.0				.2							8.3	8.3
	WNW	• 2											2.9	7.7
	NW	• 9		• 9		• 1							3.0	6.7
	NNW	• 3	• 7	, 9	•6								2.4	7.9
	YARBL	<u> </u>												
	CALM		><	><	><	><	$>\!\!<$	$>\!\!<$	><	><	><	> <	14.6	
		13.6	27.8	26.7	15.0	2,1	. 3		<u> </u>	<del>                                     </del>			100.0	6.4
	<b></b>	1 2000	100		1000				I	<u></u>	<u> </u>		10000	

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALI	MSTRUM /	AFB MT		FALLS		68	<del>-77</del>						ONTH
		STATION	I MAME		A11 11			,	reans				
						EATHER							0-0500
													•=====
	_				CON	DITION							
									r		, <del></del>		
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.7	1.1	1.3	• 2	.3							3.7	7.3
NNE	. 9	1.3			• 3							4.1	7.5
NE	• 6	• 7	• 7	•6	.3							2 • 8	8.8
ENE	• 2	• 4	• 2	• 2	• 3							1.4	9.5
E	• 2	• 8										1.0	3.8
ESE	• 2	• 3										•6	3.6
SE	.4											.4	2.0
SSE	• 8	1.0										1.9	3.8
\$	2.0		• 8									5.9	4.6
SSW	2.3		1.7	• 8								8 • 2	5.6
SW	2.8	5.1	7.3	3.4	•2							18.9	
WSW	1.4	4 • 8			1.2		•1					18.1	8.9
w	.8	2.8	3.1	1.8	• 2							8.7	7.9
WNW	• 7	1.3	1,1	• 3								3.4	6.3
NW	•4	. 8										2.2	6.9
NNW	• 1	1.0	1.0									2.3	7.0
VAREL													
CALM	$\geq <$	$\mathbb{X}$	$\times$	$\ge$	X	$\ge$	$\times$	X	$\ge$	$\times$	><	16.3	
	14.6	27.8	25.7	12.6	3.0		•1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMS	TROM .		/GREAT	FALLS		68	<del>-7</del> 7						APR
STATION			STATION	I KAME					'	TEARS			H	ONTH
						ALL W	EATHER						060	0080-0
						•	LASS						HOURS	(L.S.T.)
						COI	MOITION							
		_												
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
-	- N	- 8	1.3	1.4	- 6	. 2				<del> </del>			4.8	8.9

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.3	1.4	•6	• 2	.4			1			4.8	
NNE	• 3	1.4	1.1	• 8	.3							4.0	8.8
NE	• 4	1.2	• 8	• 4	. 1	_,2						3.2	8.4
ENE	• 1	•1		• 1								• 3	
8	• 3	• 2	• 1									.7	4.0
ESE	• 1		• 1	•1								• 3	6.7
SE	• 3	• 3										.7	
SSE	• 4	• 2	•2									. 9	
5	2.3	1.7	.3	• 4	. 1							4.9	
SSW	1.0	2.1	1.6	1.0	.2							5.9	7.5
sw	2.4	4.7	5.6	4 . 8	1.0	. 4						18.9	9.0
wsw	1.1	4.8	5.3	5.1	1.8							18.4	9.9
w	• 9	3.0	2.3	1.9								8.9	
WNW	• 7	1.1	1.3	• 1								3.2	5.9
NW	• 4	. 4	1.0	.7	,1					l"		2.7	8.5
NNW	• 6	1.1	1.1	• 9	• 2							3.9	8 • 2
VARBL													
CALM	><	$\ge$	$\geq$	$\geq$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq <$	><	18.3	
	12.3	23.8	22.3	16.9	4,7	1.7						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4112 STATION	MALM	ISTROM	AFB MT		FALLS		68	-77		(EARS				ONTH ONTH
		_					EATHER LASS				<del></del>			(L.S.T.)
		-				COM	DITION							
Γ	SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
F	N	1.1	1.2	1.9	1.8	.6	• 2						6.8	9.2

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	1.9	1.8	.6	• 2						6.8	
NNE	1 - 1	1.2	1.0	1.4	. 2							5.0	
NE	. 4	1.3	• 4	• 3	• ?	• 2						3.0	
ENE	• 1	• 2	• 3	• 1		• 1						.9	9.0
E	• 2	• 6	• 1	• 2								1.1	6.3
ESE	• 4	• 1										•6	
SE	• 1	• 3										• 4	
SSE	• 6	• 1										.7	2.8
\$	• 6	-	•6	• 4	. 1							1.7	8.5
SSW	• 7	• 4	1.9	1.9	. 8	·						5.7	11.1
sw	1.0	1.4	3,9	5.2	1.1	•6						13.2	11.2
WSW	• 9	1.6		7.8	3.6	1.9						21.0	
w	2.0	2.6	6.2	4.0	1.9	1.2	• 2					18.1	10.8
WNW	• 3	• 7	•6	1.7	• 1	• 2						3.6	
NW	• 6	1.4	1,0	• 8								3.8	7.3
NNW	• 3	1.1	2.2	1.8	. 1							5.6	9.4
VARBL													
CALM		> <	$\times$	$\times$	$\times$	><	> <	><	><	><	><	9.0	
	10.4	14.3	24.9	27.4	8.7	4,4	•6	,2				100.0	

TOTAL NUMBER OF OBSERVATIONS 900

> NNW VARBL

> CALM

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	MSTROM	AFB MT		FALLS		68	-77						14 X
STATION		_	STATIO	N MANE			EATHER	<del></del>		YEARS	···		1200	онти D=1400
		-					DITION			· · · · · · · · · · · · · · · · · · ·	<del></del>		HOURS	(Lifi.T.)
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	•	7 2.9	2.6	2.7	1,0	• 2				1		10.0	9.8
	NNE	• 1									1		3.9	7.9
	NE	•	9 .9	1.2			• 1						3.9	8.0
	ENE	•	3 .4	• 6	•6		• 3						2.3	10.6
	E	• (	1.0										2.4	5.6
	ESE	• :	3 .7	• 1									1.1	4.5
	SE	• '	4 • 1	• 1									.7	3.5
	SSE	•			• 1								•9	4.9
	5	•		• 8									3.4	8 • 4
	SSW	•			2.0	•6	• 1						5.2	11.0
	SW	• 1	9 1.6		4.0								11.6	10.8
	WSW	•											17.2	14.3
	W	1.				3.1	1.6	• 3					18.4	12.3
	WNW	•				• 1							4.0	8.5
	NW	•	7 .8	1.6	•7	. 3	• 1						4.1	9.0

TOTAL NUMBER OF OBSERVATIONS 900

8.7

4.9

100.0

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM	AFB MT	/GREAT	FALLS		689	-77					APR
STATION			DM MAME				•••••	4	EARS			MONTH
				,	ALL W	EATHER						0-1700
	•				c	LASE			_		HOU	ts (L.S.T.)
			***		CON	DITION						
										•		
-	<del></del>	<del></del>	<del></del>							<del></del>	 <del> </del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	1.4	2.6	3.0	. 8							8.3	10.4
NNE	• 3	• 8	2.2	• 4	.7							4.4	9.5
NE	1.2	1.1	• 9	1.2	.3	• 2						5.0	8.9
ENE	• 2	•7	1.6	• 7	,3	• 1						3.6	9.8
3	• 3	1.1	•9	• 3	.3	• 1		ĺ				3.1	8.6
ESE	• 3	• 2	• 7								l	1.2	5.4
SE	• 2	•1	•6									1.1	7.6
SSE	• 8	• 9	• 5									2.6	5.8
\$	• 9	1.3	<b>•</b> 8									3.9	6.7
55W	• 1	1.1	2.6	2.0	• 1							5.9	9.5
SW	• 9	1.1	3.3	3.3	.8	• 2						9.7	10.5
WSW	• 1	• 8	2.8	4.4		2.0	• 3					13.9	15.4
w	1.1	2.1	4.9	5.7	2.9	1.4	• 1	l				18.2	12.5
WNW	.3	• 7	1,9	• 8		• 1						4.4	10.5
NW	•6	•7	1,9	• 8	• 3	• 2						4.4	9.5
NNW	• 1	1.6	2.7	1.8	• 6	• 1						6.8	9.9
VARBL													
CALM		$\ge$	$\ge$	$\times$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	3.4	
	8.1	15.7	30.7	25.9	11.2	4.6	,4					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 900

CALM

24112

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	MSTROM			FALLS		68	<del>-</del> 77						APR
STATION			STATION	I MAME	•	ALL &	EATHER		·	FEARS				0-2000
		-				CI	A95							8 (L.S.Y.)
		-				CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	.6	1.8	3.0	1.6	.3							7.2	8.7
	NNE	8.	1.7	1.7	1.3								5.4	
	NE	•6	1.7	1.9	1.0	.4			1				5.6	8.7
	ENE	• 7	1.1	1.1	• 7	.3					<del></del>		3.9	
	E	1.1	•9	• 9									2.9	
	ESE	• 4	• 3		• 4	,1							2.0	
	SE	.6	1.2	• 9	• 1				1				2.8	6.0
	SSE	.4	• 9	1,0	• 1					l	<u> </u>		2.4	6.4
	5	.7	2.9	1.6		• 1		-					5.2	5.7
	\$\$\7	• 2	3.0	1.6	• 4	.1							5.3	6.7
	SW	1.0			1.7	. 2							9.4	7.6
	WSW	• 2	1.9	2,7	5.2	2.2	• 7	•1					13.0	12.8
	W	.4	2.4	3.1	4.6	2.2	• 6						13.3	11.8
	WNW	• 2	. 8	1.2		.4	• 1						4.1	10.4
	NW	• 7	1.7	1.4	• 9								4.7	7.3
													1. 5	~ ^

TOTAL NUMBER OF OBSERVATIONS 900

8,3

100.0

MALMSTRUM AFB MT/GREAT FALLS

24112

()

### SURFACE WINDS

APR

900

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

68-77

SPEED   1 - 3	HOLTATE			STATION	NAME					•	TEARS		-	- H	NTHO
SPEED   1-3														2100	0 <del>-</del> 2300
SPEED     1 - 3							CI	A88						HOURS	i (L.S.T.)
SPEED (KNTS)   1 · 3			_				CON	DITION			<del></del>				
(KNTS) DIR.     1 · 3     A · 6     7 · 10     11 · 16     17 · 21     22 · 27     28 · 33     34 · 40     A1 · 47     48 · 55     ≥ 56     %       N     • 7     1 • 0     1 · 2     • 7     • 1     • 1     3 · 7       NNE     • 8     • 9     1 · 0     1 · 3     • 4 · 0     • 4 · 0       NE     • 9     1 · 7     1 · 2     1 · 2     • 5 · 0       ENE     • 7     • 6     • 4     • 1     • 2 · 6       E     • 7     • 6     • 4     • 1 · 7     • 1 · 7       ESE     • 4     • 6     • 2     • 3     • 1 · 6     • 2 · 2       SSE     1 · 1     • 7     • 1 · 3     • 1     • 5 · 3       SSE     1 · 1     • 7     • 1 · 3     • 1     • 5 · 3       SSW     1 · 1     • 7     • 1 · 3     • 1     • 8 · 1       SSW     1 · 1     • 0     • 0     • 1     • 8 · 1       SSW     • 0     5 · 2     6 · 4     • 1     • 13 · 9       WSW     • 4     • 7     3 · 2     5 · 3     • 8     14 · 4       WNW     • 8     1 · 1     • 9     • 4     • 4     • 1     • 1       WNW															
(KNTS) DIR.       1 · 3       4 · 6       7 · 10       11 · 16       17 · 21       22 · 27       28 · 33       34 · 40       41 · 47       48 · 55       ≥ 56       %         N       • 7       1 • 0       1 • 2       • 7       • 1       • 1       3 • 7         NNE       • 8       • 9       1 • 0       1 • 3       • 4 • 0       • 4 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 •			_					····				<del></del>			
(KNTS) DIR.       1 · 3       4 · 6       7 · 10       11 · 16       17 · 21       22 · 27       28 · 33       34 · 40       41 · 47       48 · 55       ≥ 56       %         N       • 7       1 • 0       1 • 2       • 7       • 1       • 1       3 • 7         NNE       • 8       • 9       1 • 0       1 • 3       • 4 • 0       • 4 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 7 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 • 0       • 6 •	г		·····	······································		<del></del>		<del></del>			<del></del>	<del></del>		<del>,</del>	<del>,</del>
NNE		(KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
NE       .9       1.7       1.2       1.2       5.0         ENE       .7       .8       .6       .3       .1       .1       2.6         E       .7       .6       .4       .4       .1       1.7       .7       .2.2       .3       .1       .6       .2       .3       .1.6       .6       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .2       .3       .3       .1       .3       .3       .1       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3       .3 <td></td> <td>N</td> <td>.7</td> <td>1.0</td> <td>1.2</td> <td></td> <td>• 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.7</td> <td>7.8</td>		N	.7	1.0	1.2		• 1							3.7	7.8
ENE		NNE		• 9											7.8
E		NE			1.2										7.3
ESE	Ĺ	ENE	•7		• 6	• 3	•1	•1						2.6	7.4
SE       -2       1 · 1       · 4       · 4         SSE       1 · 1       1 · 7       2 · 1       · 3       · 1       5 · 3         S       1 · 2       4 · 9       1 · 8       · 1       · 1       8 · 1         SSW       1 · 1       4 · 0       1 · 6       · 2       6 · 9         SW       · 6       5 · 2       6 · 4       1 · 6       · 1       13 · 9         WSW       · 4       4 · 7       3 · 2       5 · 3       · 8       14 · 4         W       · 3       1 · 3       3 · 0       2 · 8       · 6       · 1       8 · 1         WNW       · 8       1 · 1       1 · 9       · 4       · 4       9       · 8       1 · 3       · 1       · 4 · 7         NNW       · 9       · 8       1 · 3       1 · 3       · 1       · 4 · 4       · 4       · 4       · 4       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       · 1       <		E	.7											1.7	4.9
SSE       1 • 1       1 • 7       2 • 1       • 3       • 1       5 • 3         s       1 • 2       4 • 9       1 • 8       • 1       • 1       8 • 1         ssw       1 • 1       4 • 0       1 • 6       • 2       6 • 9         sw       • 6       5 • 2       6 • 4       1 • 6       • 1       13 • 9         wsw       • 4       4 • 7       3 • 2       5 • 3       • 8       14 • 4         wsw       • 3       1 • 3       3 • 2       5 • 3       • 8       14 • 4         wsw       • 4       4 • 7       3 • 2       5 • 3       • 8       13 • 9         wsw       • 4       4 • 7       3 • 2       5 • 3       • 8       14 • 4         wsw       • 4       4 • 7       3 • 2       5 • 3       • 8       14 • 4         wsw       • 3       1 • 3       3 • 0       2 • 8       • 6       • 1       8 • 1         wsw       • 8       1 • 1       1 • 9       • 4       • 4       9       • 8       1 • 3       • 4       • 4       9       • 8       1 • 3       • 1       • 6       • 1       • 6       • 9       • 8       • 1       • 9	L	ESE													6.5
\$ 1.2 4.9 1.8 .1 .1 .1	L											L			6.7
SSW     1 • 1     4 • 0     1 • 6     • 2     6 • 9       SW     • 6     5 • 2     6 • 4     1 • 6     • 1     13 • 9       WSW     • 4     4 • 7     3 • 2     5 • 3     • 8     14 • 4       W     • 3     1 • 3     3 • 0     2 • 8     • 6     • 1     8 • 1       WNW     • 8     1 • 1     1 • 9     • 4     • 4     4 • 7       NW     • 7     • 9     1 • 4     • 2     3 • 2       NNW     • 9     • 8     1 • 3     1 • 3     • 1       VARBL	L														6.8
SW     .6     5.2     6.4     1.6     .1     13.9       WSW     .4     4.7     3.2     5.3     .8     14.4       W     .3     1.3     3.0     2.8     .6     .1     8.1       WNW     .8     1.1     1.9     .4     .4     .4       NW     .7     .9     1.4     .2     .3.2       NNW     .9     .8     1.3     1.3     .1     .1       VARBL	L						.1				<u> </u>				5.4
WSW     .4     4.7     3.2     5.3     .8       W     .3     1.3     3.0     2.8     .6     .1       WNW     .8     1.1     1.9     .4     .4       NW     .7     .9     1.4     .2       NNW     .9     .8     1.3     1.3     .1       VARBL	L	SSW													5.5
W •3 1.3 3.0 2.8 .6 .1 WNW •8 1.1 1.9 .4 .4 NW •7 .9 1.4 .2 NNW •9 .8 1.3 1.3 .1 VARBL	L	SW				1.6		• 1							7.7
WNW	L	WSW													9.4
NW .7 .9 1.4 .2 3.2  NNW .9 .8 1.3 1.3 .1 4.4  VARBL	L	W				2.8		• 1							10.2
NNW .9 .8 1.3 1.3 .1 4.4 VARBL		WNW					. 4								8.1
VARBL	L	NW									ļ <u></u>				6.6
	L	NNW	. 9	• 8	1.3	1.3	.1							4.4	8.3
	_	VARBL									<u> </u>				
CALM 1002	L	CALM	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	><	$>\!\!<$	10.2	•
11.4 31.1 27.9 16.7 2.3 .3	Ī		11.4	31.1	27.9	16.7	2,3	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

0

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	APR
STATION	STATION NAME	YEARS	NTHOM
	ALL	WEATHER	ALL
		CLASS	HOURS (L S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.5	1.9	1.4	.4	.1						6.0	9.0
NNE	.7	1.2	1.2	1.0	.3							4.4	
NE	•7	1.1	1.0	• 8	• 2	• 1						4.0	
ENE	• 3	• 5	• 5	• 4	•2	• 1						2.1	8.9
E	• 5	•7	• 3	• 1	.1	•0						1.7	5.8
ESE	•3	• 4	• 2	• 1	• 0							1.0	5.9
SE	• 3	. 4	• 4	• 1								1.2	5.8
SSE	•6	• 8	•6	• 1	.0							2.2	
\$	1.3	2.3	1.0	•4	.1							5.1	5.7
SSW	•9	2.3	1.8	1.1	• 2	•0						6.4	
SW	1.5	3.6	4.9	3.3	.6	2						14.1	8.8
WSW	• 7	2.9	4,5	5.3	2.0	• 9	•2	•0				16.6	
W	1.0	2.4	3.8	3.3	1.5	•6	• 1					12.8	10.8
WNW	.4	1.0	1.4	• 7	• 2	• 1						3.8	
NW	•6	• 9	1.2	•6		•0						3.5	
NNW	• 5	1.0	1.5	1.2	.2	•0				l	•	4.5	8.8
VARBL													
CALM	><	$\mathbb{X}$	$\mathbb{X}$	$\mathbb{X}$	$\mathbb{X}$	$\mathbb{X}$	$\times$	$\geq$	$\geq \leq$	>>	$\geq \leq$	10,6	
	11.2	23.1	26,4	20.0	6,1	2.2	. 3	٥٠				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 7200

1

**(**[]

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALM	ISTROM		T/GREAT	FALLS		6	8-77						MAY	
STATION			BTATI	ON NAME			ur . *110.			YEARS				O-O-O	Δ.
		_					WEATHE!	<u>R</u>						0-020	<u>~</u>
							CLASS						MOVE	B (L.B.Y.)	
		_													
						-	OKDITION								
		-													
г			<del></del>				<del></del>	<del></del>			<del></del>	 	ı ————————————————————————————————————		7
i	SPEED		1	1			1	1	ł	ŀ				MEAN	- 1

SPEED (KNTS) DIR.	4-3	4-6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•6	1.1	1,0	•4		•1						3.2	7.1
NNE	• 4	1.4	• 5	•5	• 2							3.1	7.7
NE	• 9	•6	1,4	• 5	. 2							3.7	7.4
ENE	• 3											.3	2.0
E	•6	1.0										1.7	4.1
ESE	• 5	1.0		• 1								1.9	5.2
SE	.3	1.0										1.9	6.3
SSE	1.0	1.4										2.8	4.6
S	2.5	4.9										8.4	4.6
SSW	1.6											10.5	5.4
SW	1.9											17.1	6.6
WSW	1.0	5.1			.4	. 2						15.1	8.0
W	.9				.2							6.5	7.7
WNW	• 2	1.3	• 8	• 3								2.6	6.9
NW	• 1	. 8		• 3								1.9	8.1
NHW	• 2	• 5	• 3	. 4								1.5	7.8
VARSL													
CALM	$\boxtimes$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	$\geq$	$\geq \leq$	$\geq \leq$	17.7	
	13.1	37.1	21,8	8.5	1.4	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

### **SURFACE WINDS**

TOTAL NUMBER OF OBSERVATIONS

930

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MAL	MSTROM			FALLS		68	<del>-</del> 77						1AY
STATION			STATIO	NAME						TEARS				ONTH
						ALL W	EATHER							0-0500
						Ci	A\$\$						HOURS	(L.S.T.)
						COM	DITION							
		_								<del></del>	<del></del>			
	SPEED	<u> </u>									T			MEAN
	(KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	WIND
	DIR.													SPEED
	N	.4	٠Ÿ	1+3	• 5								3.1	7.4
	NNE	.9	1.1	1.0	• 5	• 2							3.7	7.2
	NE	.5	•9	• 3									1.9	5.5
	ENE	•6	•2	• 1	•1								1.1	4.2
	E	• 2	• 5										• 8	4.1
	ESE	. 3	• 2							<u> </u>	<u> </u>		•6	4.2
	SE	• 5			• 1				<u> </u>		<u> </u>		1.3	4.8
	SSE	1.5											2.5	3.4
	5	2.4											5.7	4.1
	SSW	2.9											9.6	5.5
	sw	2.9			1.5	. 9							18.3	7.2
	WSW	1.8	5.6		2.6		• 1						15.3	
	W	1.7	3.4						ļ				7.5	
	WNW	.5							<u> </u>			ļl	3.0	
	NW	•4							ļ			<u> </u>	2.5	
	NNW	• 1	1.0	• 4	•6					ļ			2.2	8.2
	VARBL	Ļ							Ļ.,	ļ.,,		L		
	CALM	><	><	><	$\geq \leq$	><	><	$>\!\!<$	$\geq \leq$	$\searrow$	><	><	21.1	
		170	20 0	22.0	9 6	; E	,						100.0	5 · 1

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALHSTROM AFB MT/GREAT FALLS	68 <b>-77</b>		MAY
STATION	STATION MANE	YEARS		MONTH
	ALL	WEATHER	_	0600-0800
		CLASS	•	HOURS (L.S.T.)
			_	
		COMPITION	_	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 9	•6	1.8	1.0								4.3	8.0
NNE	1.2	1.2	• 6	1.1	•1							4.3	7.5
NE	•6	• 5	• 2	• 3	•1							1.8	6.8
ENE	. 8			•1	.1							1.3	4.8
E	• 8	• 3										1.1	2.9
ESE	•3		•1	•1								•5	5.6
SE	.4	• 3	+8	•1						T		1.6	6.5
SSE	.8	•5	• 1	•1						Ì		1.5	4.8
5	1.5	2.0	•2	• 3					T			4.1	4.6
SSW	1.7	1.8		•6				1				5.1	6.2
sw	2.3	2.9	7.4	3.3	1.1	•4						17.4	8.9
WSW	1.5	3.4	4.8	5.5	1.4				1			16.7	9.8
w	1.8	3.8	2.7	1.7	•1				1	<u> </u>		10.2	7.0
WNW	• 5	•8	•4	•5						i	1	2.4	7.8
NW	•6	• 9	,9	• 3						<del> </del>		2.9	7.6
NNW	•1	• 9	1,1	•4	.1							2.6	8.4
VARBI.								1					
CALM		$\times$	$\times$	$\times$	> <	> <	$\times$			$\times$		21.2	
	15.8	20.3	23,2	15.6	3,3	. 5						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PRUCESSING BRANCH LANGE HER SERVICE/MAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTRUM AFB MT/GREAT FALLS	68-77	MAY
STATION	STATION NAME	YEARS	MONTH
	AL	L WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥56	*	MEAN WIND SPEED
Х	1.4	1.3	2.0	1.2						l		5.9	7.
NNE	• 5	1.8	1.4	1.1	. 2							5.1	8.
NE	. 5	1.7	1.6	• 9	• 1							4.8	7.
ENE	• 3	1.1	• 5	• 4	.1	• 1				1		2.6	8.
E	• 9	1.4	• 4	• 1					1	<u> </u>		2.8	4.
ESE	, 3	• 2						Î		:		• 5	3
SE	• 1	• 2	• 1			i		T				.4	5
SSE		• 5		•1								•6	6
5	. 8	• 5	• 3	• 1						}		1.7	4
SSW	e 4	1.0	, 1	• 2	. 1	•				1		1.8	5
sw	• 9	1.6	3,3	4.8	1.6	• 4		i				12.7	11
WSW	• 9	1.9	4.0	7.6	2.4	1.3	• 3	l		i		18.4	13
w	1.1	3.9	5.2	3.7	1.2	•9		<del></del>	T			15.9	10
WWW	. 8	2.4	2.2	• 8	.3	• 1			T			6.5	7
NW	• 4	1.4	1.4	•6		• 2				i -	<u> </u>	4.1	8
WNK	.5	1.3	1.6	1.0	•1							4 5	
VARBL												<u> </u>	
CALM	$\times$	$\times$	$\geq <$	$\times$	$\times$	$\times$	> <	$\geq$	X	>	><	11.6	
	9.8	22.3	24.2	22.6	6,1	3.0	.4					100.0	8

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOUP'Y OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	MAY
STATION	STATION NAME	YKARS	MONTH
	ALL	WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 8	2.5	2.5		.1							7.3	7.
NNE	• 5	1.5	1.3	• 9	.3							4.5	8•
NE	•6	1.3	2.3	1.6	• 2							6.0	8.
ENE	• 4	1.4	1.1	1.2	.1					1		4.2	8•
E	• 5	2.5	•6	• 4	•1							4.2	၁ • ၆
ESE	• 3	1.2	• 3	• 3	•1							2.3	7.0
SE	• 2	• 3	• 2									• 8	5 •
SSE	ۈ •	• 3	• 2									1.1	4.
S	• 4	1.0	•6									2.0	5•
SSW	• 3	1.4										3.2	7.
sw	1.0	1.9	2,6	3.0	1.3							10.1	10.
wsw	• 3	1.6		6.1	2.6	1.0	•1					14.8	13.
W	• 6	3.0	4 • 6	4.4	2.5	1.2	•1					16.5	11.
WKW	• 6	1.9	2.3	• 9	.3	• 1	• 1					6.2	8 • ∶
NW	• 3	1.4	1.3	• 4	•6	• 2						4.3	9•
NNW	• 4	1.2	1.5	1.8								4.9	8•
VARBL													
CALM	><	> <	><		$\times$	$\times$	$\times$	$\supset <$	$\geq$	$\supset <$	$\supset \subset$	7.5	
	8.1	24.4	25.3	23.2	8.4	2.8	.3					100.0	9•

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

930

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	MSTROM			FALLS		. 68	<del>-</del> 77						IAY
STATION			STATIO	NAME						TEARS				KTHO
						ALL W	ELTHER							7700
		_				CI	ASS						HOURS	(L.S.T.)
		_				CON	DITION			<del></del>				
		-												
	SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND
	DIR.	'''	1.0	7 - 10	11 - 10	17 - 21	22 - 2/	20 - 33	34 - 40	11	10.33		~	SPEED
	N	1.1	1.2	2.7	1.3								6.2	7.7
	NNE	• 3	1.6		1.2	.2							5.4	8 • 4
	NE	• 6	1.7	2.7	1.4								6.5	7.9
	ENE	• 1	1.3	1.4	1.0	.3							4.1	8.9
	E	• 3	2.0	1.1	• 5	.2	• 1						4.3	8.0
	ESE	•	1.2	1.1	1.0	.6					·		4.4	9.2
	SE	• :	•6	• 3	• 3		• 1						1.9	7.5
	SSE	• 1	. 3								<del></del>		• 8	6.7
	\$	•6	1.0	•9	• 4								3.1	7.6
	SSW	• 6	• 8		• 5	.3	•1						4 . 2	8.8
	SW	• 8			2.7								8.0	9.5
	WSW	• 4	1.9	2.7	3.8								11.8	
	W	• (				3.3	2.0		]				17.4	13.2
	WNW		1.5	2.0	1.7	1.0	•1		;				6.9	10.2
	NW	• 4	1.2	1.0	1.2	.3							4.1	9,3
	NHM	• 3	1.2	,9	1.4						Ĭ		3.8	8.7
	VARBL													
	CALM		$\supset <$		$\geq \leq$	$\geq <$	$\geq <$	$\geq \leq$	$\geq$	$\geq$	$\triangleright <$	$\times$	7•2	
					• • •				1	1				

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALM	STROM A	AFB MIA		FALLS		<u> </u>	•77		EARS				1AY
		\$1A110R	nam t		A1 t 1J1	r a <b>T</b> Urn		,	LAKE				
	_					EATHER ASS							)-20(
												******	<b>(-</b>
	_	<del></del>			CONI	DITION		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<del></del>			
										<del></del>			
				<del></del>	<del></del>	Т	<del></del> 1			Т Т		1	
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA WIN SPEE
N	. 8	1.5	2,3	1.3	• 1				 			6.0	8
NNE	• 8	1.2	1,5	• 4								3.9	6
NE	1.3	3.0	2.7	•9	• 1							8.0	6
ENE	• 3	2.9	1.6	• 9	•1							5.8	7
E	1.2	2.4	1.3	•8	.3					1		5.9	- 6
ESE	• 4	• 5	• 9	1.1	. 2							3.1	- (
SE	. 8	1.0	1.0	• 8	•1	• 1						3.7	8
SSE	• 8	1.2	•4									2.4	4
5	• 8	1.6	• 4	8.	•2							3.8	7
5544	1.4	2.3	1.0	٠Ú	•1							5.4	6
sw	• 4	2.0	2.4	•9	• 2				1			5.9	7
wsw	• 1	8.	1,1	2.6	.8	. 3						5.6	12
w	• 4	1.2	4.2	5.9	2.3	•6						14.6	12
WNW	• 9	• 9	2.2	2.5	1.0							7.5	11
NW	• 9	1.3	1.2	• 3			• 1					3.8	6
NNW	•2	•9	1.2	1.1								3.3	8
VARBL													

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WNW

NW

NNW

CALM

1.9

•6

1.4

• 8

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALI	MSTROM			FALLS		68	-77						1AY
STATION			STATION	KAME					•	YEARS				NTH
							EATHER							2300
						ÇI	LA 48						MOURS	(L.S.T.)
		_				COM	DITION		<del></del>					
						-	<b></b>							
					<del>"</del>						<del></del>			
	SPEED													MEAN
	(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
	N	.9	• 9	, 9	• 4								3.0	6.3
	NNE	1.0	1.5		• 4		• 1						3.9	6.8
	NE	•4	1.4	• 5	• 9	•1							3.3	7.7
	ENE	1.0									i		3.2	5.3
	E	1.0			3					1			2.0	5.3
	ESE	.8											2.6	6.3
	SE	.9	•9	• 9	• 9					† <del></del>	T		3.4	7.3
	SSE	1.7	1.5		•3						1		5.1	5.5
	5	1.9			• 2								9.8	
	SSW	1.3			• 2					· · · · · · · · · · · · · · · · · · ·			8.1	5.3
	SW	1.0					• 1	·					10.2	7.0
	wsw	• 5				•1	<u></u>						9.2	8.7
	w	1.4							<del></del>	<del>                                     </del>			12.2	8.8
	<del></del>	+					<del></del>			<del> </del>	+		l	

•6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

And a second second second second second second second second second second second second second second second

15.4

100.0

7.4

8.7

WNW

NW

NNW VARBL

CALM

•6

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALF	MSTROM				FALLS	·····	68.	-77				· · · · · · · · · · · · · · · · · · ·		MAY
STATION		-		ATION	HAME			EATHER LASS			TEARS	******		1	ALL (L.S.T.)
	•						сонр	DITION		<u> </u>					
	SPEED (KNTS) DIR.	1 - 3	4-6	$\prod$	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	. 8	3 1	• 2	1.8	1.0	•0	•0						4.9	7.6
	NNE	•		• 4	1.2	8 •								4.2	7.6
	NE	•		• 4	1.5	- 8	• 1							4.5	7.5
	ENE	• :		•0	• 7	• 5		• 0						2.8	
	E	• 1	1	• 3	• 5	• 3	• 1	• 0						2.8	
	ESE	• 4		•6		• 4								2.0	
	SE	• .		• 6		• 3	•0	•0						1.9	
	SSE	• 8		• 8		• 1								2.1	4.9
	\$	1.4	+ 2	•5	•7	• 3								4.8	
	SSW	1.3		,9				•0						6.1	6.1
	SY/	1.4		•7	4.1	2.4								12.5	
	WSW	• 8		• 9			1.2		•1					13.4	
	wi	1.	1 2	•7	3.7	3.2	1.3	.6	• 0					12.6	10.3

• 0

TOTAL NUMBER OF OBSERVATIONS 7440

8.9

8.5

7.1

14.1

100.0

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

1.0

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALI	MSTROM	AFB MT	/GREAT	FALLS		68	-77		EARS				JUN
		_			<del> </del>	ALL W	EATHER				<del></del> -		0000	0-0200 (L.S.T.)
						сох	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
ľ	N	.7	1.0	•1	•2								2.0	5.3
j	NNE	1.1	• 9		•6								3.1	6.1
[	NE	• 3			•1								1.6	6.6
[	ENE	.7	.3	• 1									1.1	3.4
- I	E	• 2	.7								*******		• 9	3.9
l	ESE	. 4	. 3	• 1									• 9	4.1
(	SE	• 4			• 3								1.7	7.1
{	SSE	1.7											3.8	4.2
i	5	4.0											11.1	4.5
j	SSW	3.2				• 1							9.8	4.9
	SW	2.3		6,3	1.8								15.3	7.0
ļ	WSW	1.1	4.1	5,3		•2							13.4	7.9
1	W	1.1	3.1	3.9		• 2							9.7	7.2
1	WNW	1.0			•1								2.8	5.5
1	NW	• 3		• 4	•1								1.6	5.8
Į.	NNW	•6	• 4	, 4	• 3								1.8	6.6
1	VARBL	-												
	CALM	$\geq \leq$	$\geq \leq$	>>	$\geq \leq$	$\geq \leq$	$>\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	$\sim$	$\geq \leq$	$\geq \leq$	$\times$	><	19.6	
		19.2	30.1	22,7	7.9	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB	MT/GREAT FALL	\$	68-77		JUN
STATION		STATION NAME			YEARS	 MONTH
			ALL WE	ATHER		0300-0500
			CLASI			HOURS (L.S.T.)
	<del></del>		CONDIT	ION		
	******					

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	• 3	• 2								2.2	5.8
NNE	• 4	- 8		• 3								1.9	7.1
NE	• 6	• 8	• 6	• 2								2.1	6.2
ENE	• 3	• 3										•7	3.3
E	• 3	• 2										•6	3.2
ESE	• 4		, 1									•6	3.8
SE	. 7	• 2	• 1			l						1.0	3.3
SSE	• 8	• 8	• 2						<u> </u>		<u> </u>	1.8	3.9
5	3.4	3.9	- 4	• 1								7.9	3.9
SSW	3.8	5.3	1.2									10.3	4.2
sw	3.3	7.0	5,2							İ		17.7	6.3
WSW	1.9	4.7	5,4				L	}		l		16.0	7.9
W	2.0	3.2	3.2					<u> </u>		L		9.9	6.8
WNW	• 4	1.6	• 3	• 2								2.6	5.7
NW	• 6	1.2	• 4	• 2								2,4	5.6
WWM	• 9	.7	+3	• 1	• 1							2.1	5.5
VARBL													
CALM	$\geq <$	> <	X	X	X	$\boxtimes$	$\times$	$\boxtimes$	$\geq$	$\geq$	$\times$	20.3	
	20.6	31.7	18.3	9.0	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAL	MSTROM	AFB MT	/GREAT	FALLS	<del></del>	58	<del>-77</del>						JUN
		STATION	NAME			. <b>.</b>		,	TEARS				
	_			<del></del>	ALL W	EATHER						HOURS	0800 (L.5.T.)
	_				сон	DITION							
SPEED					<u> </u>			1					MEAN
(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
N	.6	1.0	1.2	• 4	1							3.2	7.3
NNE	1.1	1.7	•6	• 7								4.0	5.7
NE	• 3	• 4	• 4	• 3	. 1							1.7	8.0
ENE	.7	• 2	• 3									1.2	4.6
E	-4		• 1									• 7	3.7
ESE	.1											• 1	3.0
SE	.6	• 3										•9	3.3
SSE	.7		• 2									• 9	3.5
5	1.4	1.3										3.4	4.2
SSW	1.1	2.1	• 8	• 6	• 1							4.7	6.2
sw	2.3		4.6		. 8	• 2						16.8	8.6
WSW	2.2	4.1	4.3	7.3		• 1						19.3	9.6
W	2.2		4.7	2.2	• 6							13.7	7.7
WNW	.7		• 9									3.3	6.7
NW	.9											3.6	6.6
NNW	• 6								<u> </u>			2.3	5.7
VARSL													
CALM		$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$	$\geq$	$\boxtimes$	><	20.2	
	15.9	23.1	20.9	16.7	2.8	. 4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH ETAC/USAF

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4112	MALMSTRUM AFB MT/G	REAT FALLS	68-77		JUN
STATION	STATION NAI			YEARS	NTNOM
		ALL	WEATHER		0900-1100
			CLASS		HOURS (L.S.T.)
		C	ONDITION		
_					

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	1.6	1.2	.7								4.9	5.9
NNE	1.3	1.8	1.2	• 9	•2							5.4	
NE	1.3	1,9	•7	1.0								4.9	
ENE	•4	1.3	• 4	•2								2.4	
E	• 3	1.3	• 3	• 2						1		2.2	5.8
ESE	• 3	• 1										• 4	
SE	• 4	• 2										.7	3.0
SSE	• 1	• 2										• 3	4.3
5	• 6	• 6	•6	• 2								1.9	
SSW	• 9	1.2	• 9	• 1								3.1	5.4
SW	1.3	1.6	2.9	4.6	1.1	• 3	• 1					11.9	
WSW	1.1	2.4	5.2	7.6	2.9	. 9						20.1	12.0
w	1.4	5.6		4.3	1.6	• 4						18.2	9.3
WNW	1.4	1.6	2.1	1.0								6.8	
NW	• 4	1.6		•6	• 2						1	3.7	7.5
NNW	• 7	1.4	•7	• 4								3.2	6.7
YARBL													
CALM	$\supset \subset$	$\ge$	$\geq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	> <	9.8	
	13.7	24.3	22.0	21.8	6.7	1.7	•1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68 <b>-</b> 77	JUN
STATION	STATION NAME	YEARS	HONTH
	ALL	WEATHER	1200-1400
		CLASS	HOURS (L S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.9	1.9	•6	• 1	• 1						5.8	7.0
NNE	- 9	1.9	• 8	• 9	•2							4.7	7.4
NE	1.0	1.9	2.0	• 3	• 2							5.4	6.9
ENE	•6	1.8		• 8	•1							3.9	7.0
Ε	• 4	1.6	2.0	• 1				i				4.1	6.3
ESE	•4	• 3	• 1	• 1								1.0	5.0
SE	• 8	• 7	• 2									1.7	3.9
SSE	• 6	• 4	•1	• 1								1.2	4.5
\$	- 8	• 6	• 3	• 2								1.9	5.2
SSW	• 8	1.1	1.3	•4	.2							3.9	7.3
SW	.7	2.0	2.4	2.8	1.2	• 2						9.3	10.6
WSW	. 8	1.2	3.9	7.9	3.8	1.3						18.9	13.3
W	• 9	2.6	5.3	5.7	2.0	• 0						17.0	11.0
WNW	• 9	1.8	1.9	•6	• 2							5.3	7.4
NW_	• 9	• 8	1.9	• 9	.7							5.1	8.9
NNW	• 6	• 9	1.0	• 7	.1							3.2	7.8
VARBL													
CALM		$\times$	$\times$	$\geq$	$\times$	> <	> <	> <	$\supset$			7.6	
	12.1	21.3	25.9	72.0	8.9	2.2						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 900

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	101/1
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1500-1700
		CLA98	NOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	2.2	•6	1.4	. 4	•1						5.8	3.4
NNE	1.8	2.0	1.9	1.1	• 1	• 2						7.1	7.6
NE	1.2	2.1	1.1	1.3								5.8	7.0
ENE		1.3	1.9	•6								3.8	7.9
E	.7	1.9	2.1	•6	.1				1			5.3	7.3
ESE	.6	1,3	1.0	• 3								3.2	6.4
SE		1.0	•9	•4		•1						2 • 4	8.8
SSE	• 2	• 3	• 2									•8	5.6
\$	.4	.8	• 4	•6						1		2 • 2	7.0
SSW	.3	.4	1.0	• 2	•2	•1			1			2.3	9.1
SW	•7	•6	1.9	1.9	3.							5.9	10.9
WSW	• 4	1.0	4.1	5.3	2.6	• 3			1			13.8	12.2
W	1.3	2.1	4.4	7.9	2.8	1.2						19.9	12.4
WNW	1.1	1.3	2.4	2.2	.3				<del>                                     </del>			7.4	9.0
NW	.4	1.3			•1	•1						4.9	9.2
NNW	.4	1.1	•3		•2			1				3.3	8.9
VARBL								1		1			
CALM		> <	$\times$	$\times$	> <	$\times$	$\geq$	$\boxtimes$	$\geq$	$\geq$	><	6.0	
	10.7	20.9	25.6	26.8	7	2.3	•1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	JUN
STATION	STATION NAME	YEARS	MONTH
	ALL	. WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	8.	1.0	1.6	•7	•1							4.1	7.7
NNE	1.3	2.1		.7	• 3	•1						5.9	7.3
NE	•4	1.3										5.6	8.0
ENE	•6	3.0	3,1	• 8'								7.4	6.9
E	1.0	3.3	2.0	• 3								6.7	6.0
ESE	•6	1.8	1.2	• 2								3.8	6.2
SE	• 6	•6		•1								2.1	5.9
SSE	• 2	• 7	• 6									1.4	5.9
\$	• 8	1.6										3.7	5 • 8
SSW	•6	• 9	• 8	• 4								2.7	6.7
SW	• 3	1.7	1.9		.4				<u> </u>	l		5.4	
WSW	• 3	1.0	2.4			.2	• 2			L		8.4	
w	1.4	3.1				. 4			<u> </u>	<u> </u>		18.8	
WNW	• 3	1.7	3,9	2.6	.4							8.9	9.5
NW	• 4	1.0	1.7	1.6	, 1							4.8	9.0
MNM	• 2	1.1	1.0	•4	.2							3.0	8.3
VARSL													
CALM	$\supset \subset$	> <	><	$\times$	$\supset <$	$\times$	><	><	><	$\supset <$	$\times$	7.3	
	9.9	25.8	32.4	19.1	4.4	• ti	•2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTROM AFB MT/GREAT FALLS	58 <b>-77</b>		JUN
STATION	STATION NAME		YEARS	NONTR
	ALL	WEATHER		2100-2300
		CLASS		HOWRS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.1	1.1	• 3								3.3	6.2
NNE	1.1	1.1	1.1	•6	•1							4.0	6.9
NE	.7	1.3	•8	• 3	• 1							3.2	6.7
ENE	1.4	• 9	• 1							i		2.4	3.5
E	2.1	1.1	• 7									3.9	3.9
ESE	• 9	1.1	• 3	• 2	• 1							2.7	5.6
SE	1.8	1.1	• 8	• 2	1							4.0	5.3
SSE	• 6	2.6	•6	•1								3.8	5.3
S	2.2	4.3	•6	•1								7.2	4.5
SSW	1.3	4.9	1.2	•1								7.6	5.1 6.7
SW	1.8	4.4		1.2								12.2	6.7
wsw	-8	3.6	2.9	3.C	.7	• 1						11.9	ò•0
w	•7	3.3	3.8	1.8	•2			T				9.8	7.9
WNW	• 2	2.1	1.6	1.1								5.0	
NW	.7	1.1	• 6	• 4								2.8	<u>ن ، ع</u>
NNW		• 3	• 3	•1								8	
VARBL													
CALM		$\ge$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$	$\geq$	$\boxtimes$		16.3	
	17.0	34.4	21.1	9.7	1.3	•1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS		68-77		JUN
STATION	STATION MAME			YEARS	 MONTH
		ALL	WEATHER		ALL
			CLASS		HOURS (L.S.T.)
			CAMBITION		

SPEED (KNT3) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.3	1.0	•6	,1	•0			1			3.9	6.9
NNE	1.1	1.5	1.0	• 7	• 1	• 0						4.5	7.0
NE	.7	1.3	1.1	•6	• 1							3.8	7.0
ENE	• 6	1.2	• 8	• 3	• 0							2.9	
E	• 7	1.3	• 9	• 2	•0							3.0	
ESE	• 5	• 6	• 4	• 1	.0							1.6	
SE	.7	• 6	•4	• 1	•0	•0						1.8	
SSE	• 6	• 8	• 3	• 0								1.7	4.7
\$	1.7	2.3	•7	• 2								4.9	4.7
SSW	1.5	2.6	1.1	• 3	. 1	•0						5.5	5.5
sw	1.6	3.4	3.7	2.4	. 5	• 1	•0					11.8	8.4
WSW	1.1	2.8	4.2	5.1	1.5	• 4	۰۵					15.1	10.6
w	1.4	3.4	4.6	3.8	1.1	• 3	•0					14.6	9.6
WNW	• 8	1.5	1.7	1.C	• 2							5.3	
NW	• 6	1.1	1.1	.7	. 1	•0						3.6	
NNW	• 5	• 9	•6	• 4	• 1			<u> </u>				2.5	7.3
VARBL													
CALM	$\geq \leq$	$\ge \le$	$\geq \leq$	$\times$	$\times$	$\ge $	$\boxtimes$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	13.4	
	14.9	26,5	23,6	16.6	4.1	.9	• 1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

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MALMSTROM AFB MT/GREAT FALLS

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

68-77

					ALL W	EATHER						0000	020
					CI	A96						HOURS	(L.S.T.)
				<del></del>	CON	DITION	<del></del>	• • • • • • • • • • • • • • • • • • • •	<del></del>	<del></del>			
SPEED		I											MEAN
(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND
N	. 8	1.0	• 4	• 1	. 1							2.4	5.
NNE	.4	1.9	1.0		• 1							3.7	6.
NE	• 5	1.1	• 2	•1								1.9	5.
ENE	1.3	• 3		•1								1.7	3.
E	• 3	• 9		• 1								1.3	4.
ESE	•6	• 6	, 1									1.4	3.
SE	• 9	1.7	64	• 2								3.2	5.
\$5E	1.5	2.2	1.0	•2								4.8	5•
5	3.0			•1			1					11.0	4.
SSW	2.2	8.3										11.2	4.
SW	2.5	5.5		•2								11.8	5.
WSW	• 6		1.8	1.1							L	7.2	6.
w	1.1	2.5			, 1	• 2						6.0	7.
WNW	1.0		. 8	• 1								2.0	5•
NW	• 5	. 4	• 2	•1	. 1				<u> </u>			1.4	5•
NNW	• 3	• 1		• 1		•1						•6	7.
VARBL					Ĺ			L		<u> </u>			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	28.3	
	17.5	36.3	13.8	3.3	, 4	.3						100.0	3.

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTROM AFR MT/GREAT FALLS  STATION NAME	68-77 YEARS	JUL
	ALI	WEATHER CLASS	0300-0500 HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.0	• 4	• 1				····				2.3	5.0
NNE	• 5	1.4	, 5	1.1								3.5	7.7
NE	• 3	• 5	• 1									1.0	4.6
ENE	• 2	• 3										• 5	4.0
E	. 3	, 4										• 8	3.7
ESE	• 4	• 5	• 1									1.1	4.4
SE	• 1	• 6										1.1	5.3
SSE	1.0	1.2										2.4	4.1
\$	3.9	3.4		• 1								8.2	4.0
SSW	4.1	5.8	1.8	• 1								11.8	4.5
\$W	3.8	7.6	3.5	.3								15.3	5.2
WSW	2.4	5.2	2.5	1.4		•1						11.5	6.2
W	1.3	4.2	1.4	•6								7.5	5.8
WNW	• 1	• 9	•6	• 3	.1							2.0	7.8
NW	• 5	• 6	• 2	• 2								1.6	5.7
NNW	• 5	• 4	• 1	• 2					<u> </u>			1.3	5.8
VARBL													
CALM	$\times$	$\geq \leq$	$\times$	$\times$	$\times$	> <	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	28.2	
	20.2		12,7	4,5								100.0	3.8

TOTAL NUMBER OF OSSERVATIONS 930

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALI	4STROM	AFB MT	/GREAT	FALLS		68	-77						JUL
		STATIO	HAME						YEARS				ONTH
	_				ALL W	FATHER						060	0-0800
					C	LASS						MOUR	(L.S.Y.)
					CON	DITION				_			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	%	MEAN WIND SPEED
N	1.4		• 3	•1								2.9	4.02
NNE	1.0	• 5	1.3									2.8	5.9
NE	• 4	• 8										1.8	5.4
ENE	• 2		• 1									•8	4.6
E	• 5	•6	• 1									1.3	4.0
ESE	• 1	• 2								· · · · · · · · · · · · · · · · · · ·		• 4	5.3
SE	• 3	• 1	• 4	•1		<u> </u>		ļ				1.0	6.0
SSE	• 4	• 8										1.3	4.0
\$	1.4	1.4										2.8	3.4
SSW	1.6	1.8	•8	.8	• 1							5.1	6.1
SW	3.7	4.2	4.0	1.4	.2					i		13.4	6.4
WSW	2.6		4.1	2.8	• 6							15.2	7.7
W	3.3			• 4	• 1							11.8	5.5
WNW	1.6					• 1						4.3	4.7
NW	.4	1.3										2.8	5.1
MMM	• 4	• 9	+8									2.0	5.8
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	> <	$\supset \subset$		$\supset <$	><	30.3	
	10.5	0.5.5					المديدي						-

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALI	MSTROM	AFB MT		FALLS		68	-77		LARS	···.			JUL
						EATHER							)-110 (LS.T.)
	_			<del> </del>		DITION			· · · · · · · · · · · · · · · · · · ·				(4.5.0.)
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3	1.9	•6	• 1			<del></del>					4.0	4.
NNE	1.9	1.7	1,1	• 1						<u> </u>		4.8	4.
NE	.9	1.6				• 1						3.3	5.1
ENE	1.1	1.8										3.4	4.
E	1.3	1.3		•1								2.7	3.
ESE	• 4	• 5										1.4	5•
SE	• 4	•6	•1	• 1								1.3	40
SSE	• 1	• 3										• 4	4.
5	1.1	• 2		• 1								1.4	3 •
SSW	1.1	• 6	• 5		• 1							2.6	5.
SW	1.3		3.3		1.0	. 3						10.1	10.
WSW	1.9	2.7	6.0		1.6	• 1		<u> </u>				16.6	9•
W	1.8				• 5	• 1					<u></u>	18.2	7.
WNW	. 9		1.7								ļ	6.1	6.
NW	1.3		1.6									5.4	5.
NNW	1.0	.8	•6				·····				ļ	2.4	4.
VARBL										<u> </u>		15.0	
CALM		$\geq \leq$	$>\!\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.9	
	17.7	27.8	24.1	10.5	3.2	. 6						100.0	5.

TOTAL NUMBER OF OBSERVATIONS 93(

USAFETAC FORM 10-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	JUL
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPFED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	2.0	2.5	• 4								6.3	6.2
NNE	1.4	1.7	1.4	• 3								4.8	5 • 8
NE	-8	2.7	1.6	• 4								5.5	5.3
ENE	•5	1.7	1.9	•1	, 1							4.4	6.4
E	1.3	2.0	+8	• 2								4.3	5.1
ESE	• 4	•6	• 2	•4							`	1.7	6.8
SE	• 1	• 3	• 4	•1								1.0	6.9
SSE	• 5	•2	• 3									1.1	4.3
S	• 5	1.1	• 4									2.0	4.9
SSW	•4	• 9	• 6	• 5					i i			2.5	7.2
sw	1.2	1.7	1.9	2.2	• 1	• 8						7.8	9.7
WSW	.9	1.8	4.6	3.3	2.0							12.9	10.9
w	2.3	5.8	6.2	5.2			•1					21.7	9.3
WNW	•6	1.3	2.5	1.1								5.5	7.7
NW	1.4	1.1	• 8						T			3.9	6.1
NNW	• 8	1.2	1.0	• 8		• 1						3.8	7.3
VARBL								1					
CALM		> <	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	> <	$\supset <$	>>	10.8	
	14.5	26.2	27.2	15.7	4.3	1.2	• 1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68 <b>-77</b>	JUL
BYATION	STATION MANE	YEARS	HONTH
	ALL	WEATHER	1500-1700
		CLASS	HOURS (L.s.T.)
		COMPLITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	43 - 55	≥56	%	MEAN WIND SPEED
N	• 5	1.5	1.6	•6								4.3	
NNE	1.3	2.7	2.3	1.3	, 3	•1						8.0	
NE	1.0	3.4	2.3	1.0	• 1							7.7	7.0
ENE	• 9	1.7	1.5	1.1	• 1							5,3	
E	1.4	2.0	1.5	• 3								5.3	
ESE	.5	. 8	• 4	• 1								1.8	5.4
SE	•4	•1	• 5	• 2								1.3	6.6
SSE	•4	• 5	• 3	•2								1.5	6.4
\$	1.0	1.1	• 4	•1	.1							2.7	5,4
SSW	. 8	1.3	1+0	• 2	. 1							3.3	
SW	• 6	1.1	2.3	1.2	.1							5.3	8.3
WSW	• 3	1.9	3.1	2.2	.8	.5						8.8	10.5
*	1.0	2.4	3.8	6.1	3,4							17.1	12.0
WNW	• 5	1.9	2.7	2.6			• 1					8.6	10.0
NW	1.3	• 9	2.5									6.1	7.8
NNW	• 4	. 9	• 8									3.0	7.8
VARBL													
CALM	$\times$	$>\!\!<$	X	$\geq \leq$	$\mathbb{X}$	$\times$	> <	$\times$	$\geq$	$\geq$	><	9.9	
	12.4	24.2	26.9		5,6	1.3	• 1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALMSTRUM AFB MT/GREAT FALLS	69 <b>~77</b>	JUL
STATION MANE	YEARS	MONTH
ALL	WEATHER	1800-2000
	CLASS .	HOURS (L.S.T.)
	STATION MANE ALL	STATION MANE VEARS ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.9	2.2	1.8	• 9	• 1	• 1						5.9	7.6
NNE	• 5	2.2	2.0	1.8	•2							6.8	8.5
NE	1.3	3.2	2.4	1.3	.1							8.3	6.9
ENE	1.5	3.8	3.9	•4	• 1							9.7	6.4
E	2.0	2.8	2.4	• 5								7.7	5.9
ESE	•6	•9	•9	• 2								2.6	5.7
SE	•6	•9		•4	•1							2.5	7.0
SSE	• 4	• 3	• 5	•1								1.4	5.9
5	-8	1.0	1.0	•3								3.0	6.0
SSW	•6	• 3	• 8	•2	• 1							2.0	6.8
SW	• 9	1.2	1.0	1.2				.1				4.3	8.1
WSW	•2	•6	1.3	1.7			•1			T		4.0	10.4
w	•9	3.1	4.1	3.2	1.3	• 2						12.8	9,9
WNW	•6	1.2	3.1	2.3	.6	. 3						8.2	10.3
NW	•9	1.4	1.6	1.5	• 3							5.7	8.7
NNW	•6	• 8	1.6	1.0			•1					4.1	8.4
VARBL													
CALM	$\searrow$	$\ge $	$\times$	$\times$	$\times$	> <	> <	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	11.1	
	13.4	25.7	28.7	17.1	3.0	•6	• 2	,1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM			FALLS		6	8-77					 	JUL
STATION		STATIC	SHAK W		A1 1	WEATHE	c		TEARS				0-2300
	-	<del></del>			MLL	CLASS CLASS	<u> </u>		<del></del>		•	HOU	6 (L.S.T.)
	-					CONDITION				<del></del>			
						CONGILION							
	-										•		
_	SPEED	T	<del></del>		Γ	Т	T	<del></del>	T	<del></del>		 1	MEAN

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.8		• 2								4.0	5.4
NNE	1.1	2.2	2.3	• 2	.4	•1						6.2	7.l
NE	1.1	2.2	1.5	• 4								5.2	5.8
ENE	1.7	1.6	•8									4.1	4.6
E	2.0	1.2										3.9	4.0
ESE	1.0	1.7	• 2	• 1								3.0	4.5
SE	1.3	2.6	• 6	• 4								4.9	5.3
SSE	1.4	3.9	• 9									6.1	4.8
\$	1.6		1.4		• 1							8.1	5.1
SSW	. 8	3.1	•6	• 1								4.6	
SW	1.0	4.0	2.2	• 8								7.8	6.3
WSW	• 6	2.4	1.8	8 •								5.6	
W	1.1	2.2	1.1	1.0	.3							5.6	7.3
WNW	• 4	1.2	•6	• 5				,				2 • 8	6.8
NW	• 9	1.1	• 5									2.5	5.1
NNW	• 3	+ 8	• 2	•1								1.4	5.5
VARAL													
CALM	><	$\ge$	$\geq \leq$	$\geq \leq$	$\ge$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\searrow$	24.2	
	17.4	36.7	16.1	4.6	. 9	-1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

### **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24117	MALI	1S TRUM	AFB MT	/GREAT	FALLS		68	-77						JUL	
STATION			STATIO	M MAME						ears.				MORTH	•
		_				ALL Y	VEATHER							ALL	_
		_					CLA <b>96</b>						HOVE	# (L.S.T.)	•
		_													
						CO	HOITION								
		-							<del></del>						
ſ	SPEED		1		T		T		<u> </u>	·			Ţ	MEAN	1
l l	(KNTS)	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	, ×	WIND	ı

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	1.6	1.1	• 3	•0	• 0						4.0	6.
NNE	1.0	1.8	1.5	• 6	.1	٥.						5.1	6.
NE	8.	1.9	1.2	• 4	•0	• 0						4.3	6.
ENE	• 9	1.5	1.1	• 2	• 0							3.7	5.
E	1.2	1.4	• 7	• 2								3.4	5.
ESE	• 5	• 7	• 3	• 1								1.7	5•
SE	• 5	.9	• 4	• 2	•0							2.0	5•
SSE	•7	1.2	•4	• 1								. 2.4	4.
3	1.7	2.4	•7	•1	• 0							4.9	4.
SSW	1.4	2.8		• 3								5.4	5•3
sw	1.9	3.3	2.7	1.2	• 2	• 1		.0				9.5	7.
wsw	1.2	2.9	3.2	2.2	•6	• 1	•0					10.2	8.
w	1.6	4.0	3,6	2.4	1.0	•1	•0		L			12.6	8•
WNW	•7	1.5	1.6	• 9	• 2	•1	•0					4.9	8.0
NW	• 9	1.1	1.0	• 0	-1							3.7	6.
NNW	•6	• 7	•6	• 4		•0	•0					2.3	6.
VARSL													
CALM	$\geq <$	$\geq <$	><		><	$\times$	$\times$	> <	$\supset <$	$\supset <$	$\supset \subset$	19.8	
	16.6		20.9	10.1	2,3	ن	• 1	.0				100.0	5.

TOTAL NUMBER OF OBSERVATIONS 7440

WNW

NW NNW YARBL

CALM

24112

MALMSTROM AFB MT/GREAT FALLS

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_					EATHER	· · · · · · · · · · · · · · · · · · ·						0-0200
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.1	•8	•1				1				2.7	5 • 3
NNE	1.0											4.1	6.5
NE	• 9	•3	•6	1.1								2.9	8.0
ENE	• 4	• 2	•1									.8	
ξ	• 2	•2										.4	
ESE	• 6			• 1								1.6	4 • 9
SE	• 4											1.5	
SSE	1.2											2.9	
\$	3.4	5.2	1.5	• 3								10.4	
SSW	2.7	6.0										10.8	
SW	3.4	6.7				.1						15.6	
WSW	1.4	4.5	2.3	• 5		.1		I	I	I		8.8	6.0

68-77

TOTAL NUMBER	OF OBSERVATIONS	930

6.6

1.9

2.4

24.9

100.0

4.9

4.4

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFO MT/GREAT FALLS	<b>6</b> 8 <b>≁77</b>	AUG
STATION	STATION NAME	YEARS	HONTH
	ALL	WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	•2	•2								2.8	4.9
NNE	•6	• 8	• 6	• 1								2 • 2	5.2
NE	• 2	1.0	• 5									1.7	5.7
ENE	- 4	• 5	• 1									1.1	3.7
E	• 2	• 2	• 1									• 5	4.4
ESE	• 1	• 3										• 4	4.0
SE	• 6	•6	• 1	• 1								1.5	4.6
SSE	1.9	•5	• 5	•1								3.1	4.0
\$	4.5	3.3	• 3									8.2	3.4
SSW	4.6	5.5	•6	•2								11.0	
SW	4.2	9.7	5.5	1.0	.1							20.4	
WSW	3.0	4.4	3.0	• 5	.1		·					11.1	5.7
w	1.7	3.0	1.1	• 3								6.1	5.1
WNW	• 3	1.5	• 9	•1								2.8	
NW	- 8	1.1	• 3	• 1								2.3	
NNW	.9	• 8	• 5	• 2								2.4	5.5
VARBL													
CALM		> <	$\times$	$\times$	$\ge$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	22.5	
	25.4	34.4	14.5	3.0	• 2							100.0	3.9

TOTAL NUMBER OF OSSERVATIONS 936

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALHSTROM	AFB MT/GREAT	FALLS		68 <b>-77</b>		AUG
STATION		STATION NAME				YEARS	MONTH
	,		•	ALL WE	THER		0600-0800
	•			CLASI	)		house (L.S.T.)
	_						
				CONSIT	ION		
		····					

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	• 8	• 3	• 1	• 1				1	-		2.3	5.0
NNE	• 8	1.5	• 3	• 1								2.7	4.8
NE	1.1	• 6	• 8	• 1								2.6	5.1
ENE	• 1	• 3	• 1									•5	5.6
E	. 8	•1										• 0	2.6
ESE	• 6			· Ĭ						<del> </del>		• 3	3.6
SE	.3	• 3	•1					<del>                                     </del>				•8	
SSE	• 5	• 3	•1									1.0	
\$	2.5	1.7	1.1						1			5.3	4 . 3
SSW	2.9	3.0	1.1	• 6		•1				<del>                                     </del>		7.8	
sw	4.0	5.3	3.4		•4			T		<b> </b>		14.8	
WSW	2.7	4.6					<u> </u>			<u> </u>		12.7	7.1
w	1.8	4.2	2.4	•9		X-3			<b></b>	<del>                                     </del>		9.2	6.0
WNW	1.5	1.9	•2	• 2								3.9	
NW	1.0	1.1	•1		. 3			<del> </del>				2,3	
NNW	1.1	• 3	•6	•1								2.2	4.8
VARBL	<del></del>								<del> </del>				
CALM	><	$>\!\!<$	$\times$	$\times$	$\times$	> <	> <	$\geq$	$\geq$	$\times$	$\times$	30.4	
	22.6	20.1	13,2	6.1	1.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

930

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4112	MALI	15 I KUM			FALLS			- [ [						100
HOITATE			STATION	I NAME		A11 (4)	<del>-</del> I I n n		•	rears				ONTH
		_		<del></del>			EATHER ASS					,		0=1100 (L.S.Y.)
														,
						CONI	PITION							
				•										
		_						···						
		<del>,</del>												
	SPEED	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	<b>%</b>	MEAN
Ī	(KNTS) DIR.	'.,	4.0	/ 10	11 - 19	17 • 21	22 · 27	26 · Ja	34 - 40	41 - 4/	46 . 55	530	<b>"</b>	SPEED
Ì	N	1.9	1.8	• 8	• 9	. 1							5.5	5.8
	NNE	• 9	1.8		• 5								4.6	6.
	NE	1.0			• 6	.1				<u>,                                     </u>			4.5	6•
	ENE	• 5	1.3	• 4									2.3	4.
	E	• 9	1.0	• 4	• 2								2.5	5•
1	ESE	• 4	• 4	•1	• 3								1.3	6 • 7
	SE	• 1	•6	• 2									1.0	5.7
	SSE	• 2	•1	• 1									• 4	4
	\$	• 8			• 2	• 1			<u> </u>		<u> </u>		1.8	6•5
	SSW	1.2			1.0				<u> </u>				3.7	7.
	SW	2.2			2.2	. 5	• 3				<u> </u>		8.7	8 ••
ļ	WSW	1.7	3.5				, 9		l				17.7	10.5
ı	W	3.9			3.8		• 1						18.5	7.6
	WNW	1.4		1.8		• 1							6.5	ტამ 5•მ
	NW	1.1	1.3										3.3	5.2
	NNW	.9	• 8	, 9									2.5	5 • 2
	VARBL								ļ,	L	L			
ł	CALM	><	><	><	$\times$	$>\!\!<$	><	$>\!\!<$	><	><	><	><	15.3	
		18.9	24.9	21.2	14.1	4,3	1.3			1			100.0	6.4

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PIALP	ISTRUM A	STATION		PALLS		68	-77		TARS				AUG
		2141104	MARL		A. 1	re i qei (ie ci		1					
						EATHER ADD							0~14
													,
					CON	DITION	<del></del>						
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	ME/ WIT SPE
N	1.4	2.4	2.0	• 4								6.2	
NNE	1.8	3.1	2,0	1.4								8.4	
NE	• 5	2.8	1.5	• 4				•				5.3	
ENE	• 5!	1.7	1.3	• 3								3.9	
E	1.2	1.0	• 6	• 1								2.9	
ESE	• 3	1.4	• 3							•		2.0	
SE	• 2	• 2	• 2	• 2								•9	
SSE	• 5	. 3	• 4									1.3	
5	• 3	1.2	• 9	. 3	,1							2 • 8	
55W	. 3	. 5	• 6	• 5								2.0	
SW	. 4	2.5	2.2	2.4	1.1							8.5	
WSW	. 9	2.2	3.2	4.0	2.2		• 1					13.2	
W	1.8	6.8			1.1	• 5	• 2					19.4	
WNW	1.1	3.0		1.6								7.6	
NW	1.3	• 6		• 6								3.5	
NNW	1.0	1.2	• 9	• 2								3.2	
VARBL													Ĺ
CALM							$\searrow$					8.8	i

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM  $_{\rm ML~64}$  0-8-5 (OL-A) previous editions of this form are obsolete

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM	AFB MT/GREAT	FALLS	68-77	•	AUG
STATION		STATION NAME			YEARS	MONTH
			ALL	WEATHER		1500-1700
	•			CLASS		HOURS (L.S.T.)
	•			CONDITION		
	•	***************************************				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.2	2.6	1.4	.1							7.6	7.1
NNE	1.2	1.7	3.1	1.3	.5			′				7.8	8.4
NE	1.2	2.2	4.0	1.5	• 1							8.9	7.7
ENE	• 2	1.4	1,9	•6								4.2	7.6
E	1.1	1.8	1.6	• 1								4.6	5.6
ESE	• 3	• 3	•6	• 2								1.5	7.0
SE	• 2	•3	• 4	• 4								1.4	8.3
SSE		•2	• 2	• 2								•6	9.5
\$	• 4	•4	• 9	• 3								2.0	7.6
SSW	.4	1.2	1.2	• 2	.2							3.2	7.4
SW	•9	1.8		1.2	• 4	•1						7.3	8.3
WSW	1.1	1.5	3.7	2.2	1.0	• 3						9.7	9.9
w	.9	3.5	5.8	7.0	1.8	. 8		.1				19.9	11.1
WNW	.9	1.9	2.3	1.2	. 4							6.7	8 . 2
NW	1.1	1.7	•8	•6	• 1	. 1			·			4.4	6.6
NNW	•6	• 4	•6	• 3	•1							2.2	6.8
VARBL													
CALM	$\geq <$	> <	$\times$	> <	> <	$\geq <$	$\geq \leq$	$\ge$	$\geq$	$\geq$	><	7.8	/
	11.8	22.7	32.6	18.8	4.8	1.3		.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS)   1 · 3		MSTROM	STATION					<del>-77</del>		YEARS	<del> </del>		
SPEED   1 · 3   4 · 6   7 · 10   11 · 16   17 · 21   22 · 27   28 · 33   34 · 40   41 · 47   48 · 55   ≥ 56   %     N						ALL W	EATHER						180
SPEED   1 · 3													HOVE
SPEED   1 · 3		_											
(KNTS) DIR.       1 · 3       4 · 6       7 · 10       11 · 16       17 · 21       22 · 27       28 · 33       34 · 40       41 · 47       48 · 55       ≥ 56       %         N       • 0       1 · 6       1 · 4       • 9       • 1         4 · 6					-	CON	DITION						
(KNTS) DIR.       1 · 3       4 · 6       7 · 10       11 · 16       17 · 21       22 · 27       28 · 33       34 · 40       41 · 47       48 · 55       ≥ 56       %         N       • 0       1 · 6       1 · 4       • 9       • 1         4 · 6													
(KNTS) DIR.       1 · 3       4 · 6       7 · 10       11 · 16       17 · 21       22 · 27       28 · 33       34 · 40       41 · 47       48 · 55       ≥ 56       %         N       • 0       1 · 6       1 · 4       • 9       • 1         4 · 6													
N       .0       1.0       1.4       .9       .1       4.6         NNE       1.2       3.5       3.0       1.0       .4       9.1         NE       .6       3.0       3.8       1.9       .3       9.7         ENE       1.2       3.0       2.2       .9       7.2         E       1.5       2.6       2.0       .2       6.2         ESE       .4       .3       .9       .5       2.2         SE       .8       .9       .9       .4       2.5         SSE       .4       .5       1.0       1.9         SW       1.0       1.8       1.0       .6       .1         SW       1.0       2.3       2.2       1.3       .1       6.8         WSW       .6       1.3       1.5       1.0       .3       4.7         WNW       .9       3.3       4.0       2.9       .8       11.8         WNW       .6       1.4       2.4       1.6       .1       6.1         NNW       .6       1.6       1.8       .3       .1       4.5         VARAL       .8       1.4 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th> </th><th></th><th></th><th></th><th></th></td<>													
NNE		1 · 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*
NNE	N	.6	1.6	1.4	• 9	. 1			<del>                                     </del>				4.6
NE	NNE	1.2				.4							9.1
ENE 1.2 3.0 2.2 .9 .7.2  E 1.5 2.6 2.0 .2	NE	• 6			1.9	.3							9.7
E 1.5 2.6 2.0 .2	ENE	1.2											
ESE	E	1.5											6.3
SE	ESE	.4											2.2
SSE       .4       .5       1.0       .0       .1       .9         S       1.0       1.8       1.0       .6       .1       .4       .5         SSW       1.0       .0       .8       .2       .2       .7       .5       .5       .1       .5       .6       .8       .2       .7       .8       .1       .5       .6       .8       .2       .7       .8       .2       .7       .8       .2       .7       .8       .2       .7       .8       .2       .7       .7       .8       .2       .7       .7       .8       .2       .7       .7       .8       .2       .7       .7       .8       .2       .7       .7       .8       .2       .7       .7       .8       .2       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7       .7	SE	• 8	• 9	•9									2.9
\$ 1.0 1.8 1.0 .6 .1	SSE	• 4	• 5	1.0									1.9
SSW 1.1 0.5 0.8 0.2 2.7 SW 1.0 2.3 2.2 1.3 1.1 5.5 SW 1.0 2.3 2.2 1.3 1.5 SW 1.0 2.9 0.8 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5 SW 1.1 0.5	5	1.0	1.8	1,0	• 6	• 1							4.5
WSW	SSW	1.1	• 6										2.7
W	SW	1.0	2.3	2.2	1.3		•1						6.8
W	WSW	.6			1.0	.3							4.7
WNW	W_	• 9	3.3			. 8							11.8
NNW	WNW	.6	1.4	2,4	1.6	•1				T			6.1
VARSI TALE TALE TALE TALE TALE TALE TALE TALE	NW	•6	1.6	1.8	• 3	• 1							4.5
VARSI TALE TALE TALE TALE TALE TALE TALE TALE	NNW	• 8	1.4	•6	• 5		• 1						3.4
	VARAL												
17 2 20 2 20 7 14 2 2 2	CALM		$\overline{}$	$\bigvee$	$\searrow$	$\bigvee$		$\overline{}$				$\setminus$	11.4
				20.5							<u> </u>		404

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALMSTROM AFB MT/GREAT FALLS	68-77	AUG
STATION NAME	YEARS	MONTH
ALL		2100-2300
<del></del>	CLASS	HOVES (L.S.T.)
	CONDITION	
	STATION HAME ALL	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55 \	≥56	%	MEAN WIND SPEED
N	• 8	1.4	• 3	• 3	. 1	• 1				1		3.0	6.9
NNE	•9	1.4	1.4	1.0	. 2							4.8	7.7
NE	1.1	2.6	1,1	• 9	• 4				1			6.0,	7.1
ENE	1.1	1.+	•5									3.0	4.3
E	1.4	• 9	•3									2.6	3.8
ESE	• 6	•9		. • 3								2.4	6.2
SE	1.4	2.0	1.2	• 2								4.8	5.4
SSE	1.2	3.3	1.8	• 5					i			6.9	6.1
Š	1.9	5.6	1.5	• 3								9.4	5.1
SSW	1.4	4.1	1.0	• 1					T			6.6	5.0
SW	1.4	4.0	2.3	• 5	• 1						1	8.3	6.4
WSW	• 5	3.8		•6	•2							6.8	6.9
w	1.0	3.9	2,3	• 4								7.5	6.2
WNW	• 5	1.2	1.0	•2		• 1						3.0	6.5
NW	• 5	• 8		•1	, ì	•1						2.2	7.1
NHW	• 3	• 3	• 3	•1	.1				1			1.2	7.4
VARBL							•						
CALM	><	> <	$\times$	><	$\geq$	$\times$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	21.6	
	16.0	37.4	17.6	5.7	1.3							100.6	4.8

TOTAL NUMBER OF OBSERVATIONS 930

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND . DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTRUM AFB MT/GREAT FALLS	68-77	AUG
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	ALL
		CLA96	HOURS (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.5	1.0	• 5	.1	•0						4.3	6.
NNE	1.0	1.9	1.6	•7	.2							5.5	7.0
NE	.8	1.8	1.7	. 8	,1							5.2	7.6
ENE	• 6	1.2	• 8	• 2								2.9	6.0
E	.9	1.0	•6	•1								2.6	5.0
ESE	• 4	• 5	• 3	• 2								1.5	6.0
SE	• 5	.7	• 5	• 2								1.8	5.6
3\$E	. 8	. 8	• 6	• 1								2.3	5.3
5	1.9	2.5	• 9	• 3	.0							5.6	5.0
\$5W	1.8	2.7	1,0	• 4	•0	• 0						6.0	
sw	2.2	4.2	3.0	1.4	• 3	• 1						11.3	7.0
WSW	1.5	3.2	2,9	1.8	.9	. 3	•0					10.6	8.6
W	1.7	4.1	3.4	2.4	.6	.2	•0	•0	i			12.4	8 • 1
WNW	.9	1.8	1,3	• 7	.1	•0						4.8	
W	• 9	1.1	,7	.3	.1	•0						3.1	5.5
NNW	. 8	• 7	• 6	•2	•0	•0						2.3	5.
VARBL													
CAUA	><	$\times$	$\supset <$	><	> <	$\times$	$\geq$	$\times$	> <	$\geq <$	>>	17.8	
	.17.9	29.9	21.1	10.3	2.3	. 6		.0				100.0	5.0

TOTAL NUMBER OF OSSERVATIONS 7440

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTRUM AFB MT/GREAT FALLS		SEP MONTH
HOITATE	ALL W	EATHER	0000-0200
		LASS	HOURS (L.S.T.)
	COI	DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.4	1.6	• 1	• 2	•1			<u> </u>			3.8	7.9
NNE	• 6	1.4	• 8	• 3		• 1	•1					3.3	7.7
NE	• 2	• 9	• 9	•6	ā							2.6	
ENE	• 6	• 2	• 1									• 9	3.5
E	• 2	• 1	• 1									• 4	4.5
ESE		• 1										• 1	5.0
SE	• 4	•7										1.1	3.9
SSE	1.4	1.1	• 3									2.9	3.8
5	3.2	4.2	1.1									8.6	4.2
SSW	4.0	7.3	1.9	• 3								13.6	4.0
SW	2.1	9.4	6.9	2.0	•6							21.0	7.0
WSW	1.3	5.4	4,8				····					13.4	7.1
w	.7	2.2	1.4	•2								4.6	6.1
WNW	•6	1.1	1.2									2.9	5.6
NW	• 4	1.0		• 2			<u> </u>					2.6	
NNW	•1	•2	,2									1.2	9.9
VARBL							i		<u> </u>				
CALM	$\searrow$	> <	$\times$	$\times$	$>\!\!<$	$\times$	> <	$\geq \leq$	$\geq$	$\boxtimes$	><	17.1	
	16.2	37.0			. 8							100.0	5 • 1

TOTAL NUMBER OF OSSERVATIONS 900

USAFETAC FORM  $_{ARL~64}$  G-8-5 (OL-A) previous editions of this form are obsolete

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTRUM AFB MT/GREAT FALLS	68-77	SEP
STATION	STATION NAME	YEARS	MONTH
	AL.L	WEATHER	0300-0500
		CLA96	HOURS (E.9 ).)
		COMPITION	
		***************************************	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•6	.7	• 6	•7		<del></del>			T			2.4	
NNE	• 6	1.2	1.0	• 8		. 2						3.8	8.3
NE	• 4	• 8	• 1	• 3								1.7	6.1
ENE	. 4	• 2										•7	3.0
Ę	• 2	•1										• 3	2.7
EŞE	• 1	• 1										.5	
SE	• 3	• 1										.4	
SSE	1.0	• 1	• 1						1			1.2	
\$	2.6	2.9	.4									5.9	
55W	3.0	4.6	1.6	• 1				<del> </del>				9.2	4.8
SW	4.4	9.9	6,6	2.7				<u> </u>				23.6	6.3
WsW	3.8	6.3		2.6	•7	• 2			<u> </u>			17.4	
w	2.0	2.9	1.2	• 2					<u> </u>			6.3	
WNW	• 3	1.3	•8					i	<u> </u>	<u> </u>	*		
NW	• 4	1.0								1		2.9	
NNW	•7	• 4	• 4						<del></del>		†	2.0	
VARBL	<del></del>		<u>x</u>							1	<del> </del>		
CALM	><	$>\!\!<$	$\times$	$\times$	>>	> <	>>	>>	$\geq$	$\geq$	$\geq$	19.3	
	20.9	32,7	17.7	8,3	,7	. 4						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTROM AFB MT/GREAT FALLS	68 <b>-77</b>	SEP
STATION	STATION NAME	YEARS	NTHON
	AL	L WEATHER	0600-0800
		CLASS	HOURS (L.S.T.)
		CONDITION	-

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	1.1	+8									3.0	5.1
NNE	• 4	.9			. 3							3.1	9.0
NE	. 4	• 8	• 3	_ 3								1.9	6.3
ENE	• 2	• 1										•3	3.0
E	• 4											•4	2.5
ESE	• 3											•3	2.3
SE	• 4	• 2							<u> </u>			.7	3.2
SSE	• 6	•1										.7	2.3
S	1.3	1.8	•3							T		3.4	3.8
SSW	1.8	3.3	1,7	•6								7.3	5.6
SW	3.1	9.6	7.4	3.3	.6							24.0	7.3
WSW	1.8	5.1	3.4	,3.1	.7	•1						14.2	8.0
w	2.3	3.7				-						7.8	5.1
WNW	1.3	1.2		•1	• 1							4.2	5.8
NW	• 4	1.0		•2								2.0	5.7
NNW	• 9	•6								<b></b>		2.8	6.4
VARBL										<b></b>			
CALM	$\geq \leq$	$\geq \leq$	$\times$	X	$\times$	$\ge$	$\geq$	$\geq$	$\times$	$\geq$	>	23.8	
	16.9	29.4	19.1	9.0	1.7	• 1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALNSTROM	AFB M	T/GREAT	FALLS		68-77	7					SEP
STATION			OR NAME					YEARS				HONTH
				A	LL WEA	THER					_090	0-1100
	•				CLASS						HOUR	\$ (L.S.T.)
					CONDITI	ON						
	•											
		<del></del>	· · · · · · · · · · · · · · · · · · ·		T		<del></del>		<del></del>	· · · · · · · · · · · · · · · · · · ·	1	1

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	1.1	1.3	1.3	.4							5 • 8	
NNE	1.1	1.7	,7	• 1	• 3							3.9	6.0
NE	1.0	• 9	• 3	•6								2.8	5.9
ENE	• 4	• 4	• 7	• 2								1.8	6.0
E	• 3	. 4										-8	4.1
ESE	• 2	• 6							T			• 8	4.0
SE	• 4	• 1							] _			•6	2.8
SSE	• 1	•1							T			• 2	3.5
\$	•4	• 2		• 2	• 1				<u> </u>			1.0	7.0
55W	• 4	1.3	, 9	1.1	.2							4.0	8.7
SW	1.2	1.7	4.7	7.4	1.7	• 1			1			16.8	11.1
WSW	.9	3.8	5.3	7.1	3.7	1.1	•2					22.1	12.1
W	3.7	4.2	3.9	3.2	.4	• 1						15.6	7.5
WNW	1.9	1.7	•7	•1								4.3	4.7
NW	1.0	1.1	• 9	•3								3.3	6.3
NNW	• 7	• 4	1.0			• 1						3.1	8.6
VARBL	•												-
CALM	> <	> <	$\times$	$\times$	$\times$	$\times$	> <	>>	$\geq$	$\geq$	><	13.2	
	15.4	19.8	20.3	22.7			•2					100.0	7.8

tal number of observations 90	) (	ľ	
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> NNW VARBL

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALM	ISTRUM A			FALLS		68	-77						SEP
		STATION	MANE					,	ears.				IONTH
						EATHER			<del></del>				0-1400
					Ci	LA96						MOVE	(L.S.T.)
					СОН	DITION			<del></del>				
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	1.7	3.4	1.3	.1							8.2	7,4
NNE	•9	2.3	1.7	1.0								6.0	7.0
NE	1.1	1.8	1.3	•2								4.4	5.
ENE	• 3	1.1	•7									2.1	5 .
8	• 3	8.	• 6									1.7	5•
ESE	• 2	• 3	•1									• 7	4.
\$E	• 1											• 1	2.0
SSE		• 1										•1	4.0
S	• 3	1.1	•7	• 3								2.4	6.
SSW	• 2	• 3		• 8								2.7	9.:
SW	.9			3.7	1.2							11.2	11.0
WSW	• 8			8.6		• 9		.1				20.3	12.
w	2.1	3.6	6.9	5.8			•1					20.2	9•
WNW	1.1	1.1	1+6									4.6	
4844	1.0	, P	. 0		. 2	l	i -		l			3.4	7.7

TOTAL NUMBER OF OBSERVATIONS 900

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100.0

8.0

8.6

24112

MALHSTROM AFB HT/GREAT FALLS

#### SURFACE WINDS

SEP

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

68-77

		STATIO	MAME					•	YEARS				ONTH
						EATHER ADD							0-170
													(5.5.17)
					CON	DITION		· · ·					
	_									<del></del>			
SPEED	<del></del>							<del> </del>	<u> </u>	1	<u> </u>		MEAN
(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
N	1.1	2.0			• 2				1			6.9	7.
NNE	• 8				.2							7.9	8•
NE	• 3	2.2	2.9	• 9								6.3	7.
ENE	•6	1.6	1.1	. •4	_							3.7	6.
E		• 4	•2	• 1								•8	7.
ESE	• 2	• 3	• 2									•8	4.
SE	• 1	• 1	• 2	• 1								•6	6.
SSE	• 2	• 3	• 2	• 1								•9	6.
5	• 4	1.1	1.4	• 1								3.1	6.
55W	. 8	1.0	1.4	• 3								3.6	
SW	1.0	1.7	4.4	2.2	.9	•1						10.3	9.
WSW	1.0	1.8	3.8	6.1	2.4	.4						15.6	11.
w	1.1	2.2	4.8	6.1	2.6	• 3						17.1	11.
WNW	• 3	1.6	2.1	1.4	.3	-						5.8	8.
NW	.8	1.8	1.2	• 4	•2							4.4	6.
NNW	• 3	1.2	1,4		.3	•1						4.1	9.1
VARBL	1												
CALM		> <	$\times$	><	$\times$	$\times$	$\times$		$\supset <$	$\supset <$	$\supset <$	8.2	
	9.1	21.6	30.8	22.1	7.2	1.0						100.0	8 •

TOTAL NU. 45: OF OBSERVATIONS 900

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTROM AFB MT/GR	AT FALLS 68	3-77	SEP
STATION	STATION HAMF		YEARS	MONTH
		ALL WEATHER	<u> </u>	1800-2000
	-	CLASS		HOURS (L.S.Y.)
		COMBITION		
	<del></del>			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.8			1.1	• 2							4.8	7.6
NNE	1.3	2.9	2.2	1.7	• 3	•1						8.6	7.7
NE	1.6		1,3	1.3	• 2							8.4	6.5
ENE	1.3	2.1	1.3	•1								4.9	5.5
E	•6	1.0	• 3	•1								2.0	5.4
ESE	• 3	• 3										.7	3.8
SE	• 8	1.1	•2									2.1	4.4
SSE	• 9	1.0	•4	• 2								2.6	5.3
\$	1.7	3.8	1.6									7.1	5.2
SSW	• 6	3.1	1.0	•2	• 1	•1						5.1	6.5
SW	1.2	3.9	3.2	• 9	. 4							9.7	7.3
WSW	• 3	1.7	2.9		• 6							8.6	10.3
w	8 •		4.5	2.7	•6	.1						11.4	9.2
WNW	• 9		1.4	1.6								4.8	8.3
NW	.3	1.1	1.2	•6								3.2	7.2
NNW	•6	1.4	•7	•7								3.3	6.9
VARBL													
CALM	$\boxtimes$	><	$\geq <$	><	$\times$	$>\!\!<$	$\supset <$	$\supset <$	$\triangleright <$	$\supset <$	$>\!\!<$	12.8	
	13.9	32.8	23.4	14.3	2.4	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	3% - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	• 8	• 9	• 8	,1							3.6	7.7
NNE	1.1	1.1	1.0	• 7		•1						4.0	6.8
NE	• 8	1.3	1,2	•6								3.9	6.8
ENE	• 7	.3		• 3	•						<u> </u>	1.3	4.9
Į	• 8	•6										1.3	3.5
ESE	• 3	• 6	• 2									1.1	4.6
SE	1.0	1.4	• 4									2.9	4.5
SSE	. 8	1.7	1.0									3.4	5.2
\$	2.7	6.0	2,7	• 3								11.7	5•2
SSW	2.1	6.1	2 • 8	• 3								11.3	
SW	2.1	6.4	3.8	1.7	. 4	•1						14.6	7.0
WSW	• 6	3.9	3,9	1.8	. 1							10.2	7.9
w_	• 6	2.8	3.1	• 7								7.1	7.0
WNW	• 1	. 8	• 8	• 3								2.0	7.4
NW	• 7	1.0	1.3	• 4	• 1							3.6	
NNW	• 2	1.3	+6	• 2	. 2							2.6	7.3
VARBL													•
CALM	$\times$	> <	><	><	$\times$	$\ge$	$\geq$	$\geq$	$\geq \leq$		><	15.4	
	15.4	36.1	23.7	8.1	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBJERVATIONS)

24112	MALHSTROM AFB MT/GREAT FALLS	68-77	SEP
STATION	STATION NAME	YEARS	MONTH
	ALL	. WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.3	1.4	8.	.2	•0						4.8	7.5
NNE	. 8	1.7	1,4	• 9	.2	1	•0					5.1	7.6
NE	• 7	1.6	1.1	•6	•0							4.0	6.7
ENE	•6	• 8	• 5	• 1								2.0	5.5
£	• 4	• 4	• 2	•0								1.0	4.8
ESE	• 2	• 3	• 1									•6	4.2
SE	• 5	• 5	• 1	• 0								1.1	4.2
SSE	• 6	• 6	• 3	• 0								1.5	4.5
\$	1.6	2.6	1.0	• 1	•0							5.4	5.0
55W	1.6	3.4	1.6	• 5	•1	• 0						7.1	5.8
sw	2.0	5.6	5.0	3.0	.7	• 1	•0					16.4	8.0
WSW	1.3	3.9	4 + 1	4.3	1.3	• 3	•0	•0				15.2	9.8
W	1.7	3.0	3.5	2.4	. ن	. 2	•0					11.3	
WNW	• 8	1.2	1.2	• 5	. 1				T			3.9	6.9
NW	• 6	1.1	1.0	• 4	• 1						•	3.2	6.7
NNW	•6	. 8	, 8	•6	• 1	•0						2.9	7.8
VARBL													
MIAG	><	> <	$\geq \leq$	> <	> <	$\ge$	$\geq <$	$\geq \leq$	$\geq$	$\geq$	><	14.7	
	15.0	28.8	23.1	14.3	3,3	* • 7	• 1	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7200

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#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALHSTROM AFB MT/GREAT FALLS	68-77	UCT
STATION	STATION NAME	YEARS	NORTH
	ALL	WEATHER	0000-0200
		CLASS .	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
×	1.1	1.4	• 5	• 5	• 1							3.7	6.4
NNE	• 6	1.3	1.4	• 6		•1						4.1	7.6
NE	- 4	1.0	, 9	• 1								2.4	6.1
ENE	• 2	• 8	• 3									1.3	5.3
E	• 2											• 2	1.5
ESE	• 1	• 1										•2	4.5
SE	• 3	•1						1				• 4	3.3
SSE	8.	• 2										1.0	2.6
\$	2.3	2.7	1.4	• 2								6.6	4 • 8
SSW	2.4	5.6	2.6	•6								11.2	5.6
sw	2.2	7.1	10.5	4.1	• 9	<del></del>						24.7	8 • 1
WSW	1.3	4.0		. 3.9	1.0	• 4						16.2	
w	1.7	2.3		1.2	.1	• 1						7.7	
WNW	• 2	• 5										1.6	6.5
NW	• 6	. 8										2.5	6.5
NNW	• 2	.9		• 4				1			1	2.2	
VARBL '										<u> </u>			
CALM	$\times$	$\geq \leq$	$\times$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	> <	$\geq$	$\geq$	$\geq$	14.1	
	14.6	28.6	27.8	<b>!</b> 1	i						T	100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC  $\frac{\text{FORM}}{\text{JUL-6A}}$  0-8-5 (OL-A) previous editions of this form are obsolete .

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALI	MSTROM	AFB MT.		FALLS		58	<del>-</del> 77		YEARS				UCT
STATION		-				ALL W	EATHER AM				<u>-</u>		0300	0=0500 (LET.)
		-				CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	1.0	1.0	• 3	• 5	•1				,			2.9	6.4
	NNE	• 8		1.2									3.1	6.0
	NE	• 3		• <b>Ú</b>	• 4	• 1							2.0	7.9
	ENE	• 3											•9	4.0
	E	• 2	. 3										• 5	3.4
	ESE	•											•1	2.0
	SE	•											•1	2.0
	SSE	٠٠											1.1	2.6
	\$	1.6											3.5	4.6
	SSW	2.6	3.4	2,7									9.7	5.9
	sw	2.	8.5	12.0									28.8	7.9
	WSW	2.0	3.4	4.9			• 3			<u> </u>			16.1	9.2
	w	1.9		1.9		• 3	• 1						8.0	6.6
	WNW	• 6		• 6									2.6	5.7
	NW												2.4	6.7
	NNW	• 6	2 ,9	, 5	10					<u> </u>			2.6	8.1
	VARBL	L												
•	ÇALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$> \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.6	
		15.8	26.2	25.8	13.9	2.3	÷4						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTRUM AFB MT/GREAT FALLS	- 68-77		OCT
STATION	STATION NAME		YEARS	MONTH
	ALL	WEATHER		0600-0800
		CLA96		HOURS (L.S.T.)
		CONDITION	· · · · · · · · · · · · · · · · · · ·	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 9	• 9	1.1	• 4	.1							3.3	6.8
NNE	• 6	1.2	• 6	• 2								2.7	5.5
NE	• 6	1.1	• 9									2.6	5.l
ENE	• 5	• 6	• 1									1.3	
E	• 2											• 2	
ESE	• 1	• 1										•2	3.0
SE	• 6											•6	
SSE	. 8	• 2						T				1.0	
\$	1.3	•6	• 8	• 3					<u> </u>			3.0	5.4
<sw< td=""><td>• 9</td><td>3.4</td><td>3.0</td><td>2.0</td><td>• 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>9.5</td><td>7.7</td></sw<>	• 9	3.4	3.0	2.0	• 1							9.5	7.7
sw	3.7	7.3	9.9	7.4	1.0							29.2	8.3
WSW	1.8	3.9	4.7	4.5	1.4	• 3						16.7	9.4
w	1.8	2.9	1,6	1.1								7.4	
WNW	• 9	•9	• 5	• 3								2.6	
NW	• 1	• 5	• 9	• 4				l				1.9	7.9
NNW	• 2	• 3	• 6									1.6	
VARBL										<del>                                     </del>			
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	><	16.1	•
	15.1	24.0	24.7	.17.2	2.6	. 3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	OCT
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.8	1.7	1.1	• 9	• 2							4.6	
NNE	.9	1.3	• 8	• 3	, 3							3.5	6.9
NE	. 5	. 8		•4								2.7	6.7
ENE	1.0	<b>5</b> .										1.5	3.3
E	1.0	• 2										1.2	2.5
ESE	• 4	• 1	• 1									•6	3.7
SE	. 4	• 2		• 1								• 8	4.1
SSE	• 1	•1	• 1									• 3	5.7
\$	• 5	• 5	, 4		. 1			•				1.6	გ•0
55W	• 3	• 6	.8		.4	• 2						4.7	11.6
SW	•6	1.6			4.1	• 9	• 1					21.9	13.3
WSW	1.4	2.0		10.4	4.4	1.7	• 2					25.4	13.1
W	1.7	3.3	3.7	3.1	1.1	• 2	•2					13.3	9.4
WNW	• 9	• 5		• 3								1.9	5.6
NW	• 3	• 5		•4								1.7	7+0
NNW	• 3	+8	• 4	1.0								2.5	8.3
VARBL	}												
CALM	><	$\ge \le$	$\geq \leq$	$\times$	> <	$\times$	$\times$	$\geq \leq$	$\geq$	$\geq$	$\geq <$	11.6	
	11.4	14.9	18.3	29.6	10,6	3.0	• 5					100.0	

TOTAL NUMBER OF OBSERVATIONS 930

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68 <b>-7</b> 7	UCT
STATION	STATION MANE	YEARS	HONTH
	ALL	WEATHER	1200-1400
		CLASE	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 9	1.1	1.4	• 9	•1							4.3	7.8
NNE	1.6	1.7	1,1	• 4	• 1							4.9	6.0
NE	1.1	1.5	1,3	• 5								4.4	5.6
ENE	• 8	1.2										2.4	4.9
E	• 8	1.2										2.3	4.4
ESE	• 5	• 3										•9	3.4
SE	• 6	• 3										1.0	3.1
SSE	• 2	• 2										• 4	4.0
\$	• 4	.3		• 1								1.2	5.6
SSW	• 3	• 3		1.9	. 4							3.8	12.0
sw	• 4	. 8		7 . 5								15.6	14.1
WSW	- 4	1.9			6.9	2.8	• 2					26.1	14.5
w	1.5	2.2	3,2	4.9	2.9	• 6	•6	•1				16.1	12.4
WNW	• 8	. 4		1.0								3.5	9.8
NW	• 3	• 6		8				•				2.8	9.2
WNN	• 9	1.2	• 8	1.2	. 3							4.3	8.3
YARBL													
CALM	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\boxtimes$	$\geq \leq$	$\geq \leq$	6.0	
	11.5	15.3	18.6	28.6	13.5	5.2	1.2	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 930

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	ucr
HOITATE	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1500-1700
		CLAS6	HOURS (1.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	<b>%</b>	MEAN WIND SPEED
N	1.0	1.3	1.5	1.6								5.4	8.1
NNE	1.3	3.1	1.8	• 9								7.1	6.2
NE	•6	3.2	1.4	• 9	,1							6.2	6.9
ENE	8.	• 9	•8	• 3								2.7	6.0
ŧ	• 9	• 2	• 3					· · · · · · · · · · · · · · · · · · ·				1.4	
ESE	•2	•1										• 4	4.3
SE	• 2	• 4	• 3					Ţ				1.0	
SSE		• 2	• 2									.4	7.0
5	•6	• 4	۶ و	• 4				Γ				2.3	
SSW	• 5	• 5	1.4	1.3								3.8	
SW	• 9	1.8	6.1	5.9	2.0	• 4						17.2	11.3
WSW	1.2	2.9	4.7	8.1	3.1	1.0	• 1					21.1	12.2
w	. 8	1.9	3.2	6.0	2.2	1.4	• 3					15.8	12.9
WNW	• 3	•6	1.0	• 8	. 2	• 1						3.0	
NW	• 2	• 5	, 5	1.1	• 1							2.5	
NNW	•6	• 5	1,3	• 5								3.1	7.4
YARBL													
CALM		$\times$	$\times$	><	$\times$	$\ge \le$	$\geq \leq$	$\supset <$	>>	$\supset <$	><	6.7	
	10.1	18.9	25.5	27.7		2.9						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

930

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MAL	STRUM A			FALLS		68	-77						JC T
STATION		<del></del>	STATION			ALL W	EATHER ASS			'EARS			1800	0-2000 (L.S.T.)
		_				CJH	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	•6	•6	1.1	• 8	.1							3.2	7.7
	NNE	1.0	1.8	2.3	• 5								5.6	6.6
	NE	• 6	1.4	1,1	• 4								3.5	6.4
	ENE	1.2	. 3	• 1									2.0	3.7
	E	1.0	• 6	• 1									1.7	3.3
	ESE	• 1	• 4	• 1							<u> </u>		•6	5.0
	SE	.9	• 5							<u> </u>			1.4	3.3
	358	• 8	1.5	• 2								<u> </u>	2.5	4.4
	5	1.5	2.8	• 6						ļ	ļ	ļ	5.1	4.7
	SSW	1.5	5.1	2,3	• 8	• 1							9.7	6.1
	SW	1.0	5.7	8 • 2		•6	• 2						20.0	8.7
	WSW	•9	3.1	4.0		1.0	• 5				<u> </u>	<u> </u>	14.5	10.3
	W	•6	1.9	4.0		1.0	• 3		·	ļ	<del> </del>		11.9	1003
	WNW	• 6	• 5	• 5						<b></b>	<del> </del>	<del> </del>	2.3	*0 • 5 7 • 3 7 • 9
	NW	• 2	• 2	1.1	• 3				ļ	<b></b>	<del> </del>	<u> </u>	3.0	5.6
	NNW VARBL		1.4	101							<del> </del>		3.0	540
	CALM		> <	$\stackrel{\cdot}{>}$	>	> <	> <	>	> <	> <	>	>	11.5	
		13:0	28.5	26.2	10.9	2.8	1.1						100.0	6.9

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	UCT_
STATION	STATION MANE	YEARS	MONTH
	ALL.	WEATHER	2100-2300
		CLASS.	HOURS (L.S.T.)
		CANDIZION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•6	• 8	1.0	• 8			<del></del>					3.1	7.5
NNE	•0	1.0	1,1	• 3								3.0	6.6
NE	• 9	• 8		• 4	.1							2.7	6.9
ENE	• 3	1.0	• 2	• 1								1.6	5.1
E	• 1	• 3										• 4	
ESE		• 2							ļ			•2	5.0
SE	• >	1.2	92					i		İ		1.9	4.5
SSE	• 6	• 6										1.3	3.3
5	2.3	5.7	•6	•6								9.2	5.0
SSW	2.3	6.1	3,8	• 8					<u> </u>	·		12.9	5.9
SW	2.0	7.3		3.9			• 1		<u> </u>			22.8	
WSW	• 9	5.2		3.9		• 2			<u> </u>	<u> </u>		16.7	9.3
W	• 5	2.7	1.8	1.3		• 1						6.8	8.1
WNW	• 5	• 5		• 3	• 1							1.7	7.0
×	.6	1.1	1.1	• 2								3.0	6.4
NNW	• 9	• 8	,5	• 3	•1				<u> </u>			2.6	6.1
VARBL									<u></u>	<u></u>			
CALM	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	10.0	
	13.8	35.2	24.9	12.9	2.7	.4	•1					100.0	6,5

TOTAL NUMBER OF OBSERVATIONS 930

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#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	UCT
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	ALL
		CLAM	HOURS (L.S.T.)
	······································	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	42 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.1	1.0	. 8	• 1							3.8	7.4
NNE	• 9	1.6	1.3	• 4	•1	• 0						4.3	6.4
NE	.7	1.3		• 4	.0							3.3	6.5
ENE	• 6	. 8	• 2	• 1								1.7	4.6
E	• 5	• 4										1.0	3.6
ESE	• 2	• 2										• 4	4.0
SE	. 5	• 3	• l	• 0					_	<u> </u>	<u> </u>	• 9	3.8
SSE	• 5	• 4	• 1							<u> </u>		1.0	3.7
\$	1.3	1.8			0							4.1	5.1
55W	1.3	3.1	2,2	1.3	• 1	.0					<u> </u>	8.1	7.1
sw	1.7	5.0		6.0		4						22.5	9.6
WSW	1.2	3.3		6.2	2.5	. 9	• 1					19.1	11.3
W	1.3	2.5	2.7	2.8	1.0	4	• 1	. 0				10.9	9.9
WNW	. 6	.7	• 6	• 4								2.4	7.5
NW	•4	.7	• 7	• 5	•0							2.3	7.6
NNW	. 5	• 8	•7	•6	.1						<u> </u>	2.7	7.4
VARSL													•
CALM	$\times$	$\geq \leq$	X	>>	$>\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	$\times$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	11.5	
	13.2	24.0	24.0	19.9	5.5	1.7	,3	.0			,	100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7440

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68 <b>-7</b> 7	уви
STATION	STATION NAME	YEARS	MONTH
	ALI	L WEATHER	0000-0200
		CLASS	HOURS (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	• 3	•6	• 4	•6		• 1						2.0	9.3
NNE	• 3	1.9	1,1	• 1								3.4	5.9
NE	1.1	•7	• 2									2.0	3.9
ENE	. 8	• 3	• 1									1.2	3.5
E	•1	•1	• 2									• 4	7.3
ESE	•1	• 4										•6	3.8
SE	•2	•2										•6	4.0
SSE	• 6	• 5										1.0	4.0
5	1.0	2.0	• 3	- 4								3.8	5.5
SSW	• 9	2.2	2.3	2.7	•6							8.7	8.9
SW	2.1	4.6	9.4	7.8	2.2	1.3	.1					27.6	10.3
WSW	1.2	4.1	4.1	6.3	2.1	• 4	• 2	.1				18.7	10.9
₩	1.0	2.2	3,0	1.2	.7	• 6						8.7	9.3
WNW	• 9	• 8	• 8	•2								2.7	5.9
NW	• 1	•9	• 3	•4								1.8	7.8
NNW	• 4	• 3	.4	•1								1.3	5.8
VARBL													
CALM	$\bowtie$	$\times$	> <	$\times$	$\times$	><	><	><	$\times$			15.7	
	11.2	21.7	23.1	19.9	5.6	2,4	.3	,1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

MALMSTROM AFB MT/GREAT FALLS

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

VUN

900

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

68-77

STATION			STATION	I NAME					•	PEA PS				ONTH
						ALL W	EATHER							0-0500
							LA 500						H-00 E.	16.3.1.7
		_				СЭН	DITION			·				
		_												
								•						
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEEL
	N	.6		• 4	• 6								2.2	7:1
	NNE	• 8	1.4	• 3									2.6	4.4
	NE	• 6	• 8	• 4	•1								1.9	
	ENE	.6	• 3										• 9	.2.5
	E	• 3		• 3	1		-						• 8	6.1
	ESE			.,1		•							• 1	7.0
	SE	4	• 3	-									8 •	3.
	SSE	• 4	• ì								i		• 6	20
	S	1.3		• 2	•3	.1							4.0	5.4
	SSW	• 9	3.3	2.8		4					1		8.9	
	SW	1.6		9.8	7.4	1,8	• 3	• 2					27.3	
	WSW	1.1	3.9	4.6	.6.9	1.7	1.1	• 3					19.6	
	W	•6		2,9	1.6	.7	.3						8.1	10.0
	WNW	• 4	1.3	,7									2.4	5.4
	NW	• 2	1.0						1	l			1.8	5,8
	MNW	• 3	• 4	• 8	• 2								1.8	6.6
	VARBL						-							
	CALM	$\geq \leq$	$\ge$	$\geq \leq$	$\times$	$\geq \leq$	$\times$	X	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	16.3	
		10.3		22.0					1				100-0	7.5

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALH	ISTRUM			FALLS		58	<del>-77</del>						VUV
STATION		_	STATION	HAME			EATHER		·	YEARS	<del></del>		060	0-0800
						coı	SITION							
	SPEED (KNTS) DIP.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SFEED
Ì	N	.9	• 8	• 3	•3								2.3	5.7
	NNE	•6	•6	,7	. 2								2.0	6.2

SPEED (KNTS) DIP.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	.34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SFEED
N	.9	• 8	• 3	• 3								2.3	5.7
NNE	•6	•6	• 7	. 2								2.0	6.2
NE	8.	.4	+1	•1								1.4	4.3
ENE	1.0											1.0	1.9
E	• 3	.4	•2	•1							i — —	1.1	5.5
ESE	• 2	• 1	• 2				i i					•6	5.4
SE	• 2	•1										•3	2.3
SSE	• 3	• 2										•6	3.2
S	•9	1.2	• 4	• 2								2.8	5.4
SSW	1.1	3.3	2,3	2.2	.8	•1						9.9	8.5
SW	1.8	6.2	5.3	7.3	2.2	•2	•2					26.3	9,9
WSW	1.3	3.4	4.6		1.6	1.8	•1					19.4	11.5
w	1.1	3.8	2.6	1.6	,7	• 3	•1					10.1	8.4
WNW	• 7	•6	• 7		``							1.9	5.4
NW	• 4	•9	•6	• 1								2.0	5.9
NNW	• 4	1.2	• 2	• 4								2.3	6.1
VARBL													
CAUK	$\times$	>>	$\times$	$\times$	> <	$\searrow$	$\times$	$\geq$	$\geq$	$\times$	$\geq \leq$	15.9	
	12.1	23.3	21.2	19.3	5,2	2.4	•4					100.0	7.5

TOTAL NUMBER	OF OBSERVATIONS	900

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALIISTRUM AFB MT/GREAT FALLS	68-77	MEIV
PIATION			
	<u> </u>	WEATHER	0900-1100 HOURS (L.S.T.)
			<b>,</b>
		CONDITION	

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	• 7	•7	• 4								2.4	6.9
NNE	1.00	1.1	• 9	• 2	• 2							3.4	
NE	• 9	1.1										2.0	3.4
ENE	• 3	• 4	• 2					***				1.0	
E	•	• 2							<u> </u>			.7	3.2
ESE	.7	• 3	• 2									1.2	4.0
SE	. 4	• 1										•6	
SSE	•3											•3	3.0
3	• 4	• 7	• 1	•1	• 1							1.4	5.5
SS	• 8	. 8	• 9	1.9	1.7	• 3						6.3	12.1
sw	• 7	3.0	6.1	9.4	4.7	1.3		·				25.3	12.7
WSW	• 9	2.3	4.8	7.4	4.8	2.2	. 4					22.9	13.7
w	1.4	2.8	2.7	3.0	.7	1.1	. 4	.2			•	12.3	11.5
WNW	• 2	•7	• 4	• 4	• 1			.1				2.0	
NW	1.1	• 4	• 2	•6	.1							2.4	
MNW	8.	• 7		• 1								1.6	3.9
YARBL													
CALM	><	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\times$	$\times$	$\geq <$		$\geq$	$\geq \leq$	14.0	
	11.1	15.3	17.2		17.3	5.0	1,0	.3				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 900

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	Nuv
STATION	STATION MANE	YEARS	MONTH
	A	LL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	
STATION		LL WEATHER	1200-140

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
И	1.6	1.3	1.0	•6		• 2			i			4.7	6.7
NNE	2.2	1.1	,9	• 3	• 2							4.8	5.5
NE	1.1	1.6	•1	• 1								2.9	4.0
ENE	1.2	1.4	• 3	•1								3.1	4.3
E	.7	• 4	• 3					,				1.4	4.4
ESE	• 4	.4										.9	3.1
SE	• 2	• 2							<u> </u>			.4	3.8
SSE ·	• 2											. 2	2.0
S	• 2	• 4	•1	•1								•9	.5.9
SSW	. 4)	•6	• 8	2.6	1.3	• 3						6.0	13.2
SW	•4	• 8			4.9	2.4	• 6					18.6	15.8
WSW	• 2	1.3	2,8	9.6	5.8	4.4	• 8	.1				25.0	16.3
w	1.2	1.2	2,3	3.6	2.6	2.1						13.0	13.7
WNW	1.0	1.0	1.3	1.1	• 8	• 1						5.3	9.6
NW	1.1	• 9	•9	•4								. 3.3	6.0
NNW	• 7	• 8	• 4	• 1	• 2							2 • 2	6.5
VARSL													
CALM		$\times$	X	$\times$	$\times$	$\times$	$\times$	$\times$	$\supset \subset$	$\supset \subset$	$\mathbb{N}$	7.2	
	13.0	13.6	13,9	25.4	15.8	9.7	1.3	. 1				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 900

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	68-77	иถ <b>∨</b>
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	1500-1700
		CIAGE	HOURS (L.S.T.)

AND THE RESIDENCE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	. ≥56	%	MEAN WIND SPEED
N	•7	1.2	1.2	• 4	, 2							3.8	7.3
NNE	1.2	1.1	1,2	• 3	. 3							4.2	6.9
NE	2.4	3,8	1.7	• 1								8.0	4.8
ENE	1.1	1.4	+4									3.0	4.4
E	• 4	• 6	• 1	• 2								1.3	5.7
ESE	• 2											• 2	2.0
SE	• 2	• 2	• 1									•6	
SSE		• 3										• 3	
5	.7	1.0					•					3.1	7.3
SSW	• 2	•8	2.9		• 4	• 1	•1	•				6.7	10.9
sw	. 8	2.7	4,6	7.2	2.7	. B	•1					18.8	11.9
WSW	. 8		3.2	6.7	4.8	2.0	•6	1				19.8	
W	. 4	2.1	2.1	4.0	2.8	1.8		1				13.3	13.8
V.'NW	.6			• 4	• 2	• 1						3.6	
NW	• 6	• 7	• 4	• 3		• 1						2.1	7.3
NNW	1.0	. 8	• 6		• 1							2.4	5.2
VARBL													
CALM	$\times$	$\ge $	$\boxtimes$	$\times$	$\ge \le$	$\times$	$\ge$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	8.7	
	11.3	19.2	20.5	22.8	11.6	4,9	• 8	.2				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 899

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

112	MALI	ISTRUM A			FALLS		68	-77						٧Ú٧
TATION			STATION	MAME						Enes			<u>m</u>	ONTH
		-	<del></del>			ALL W	EATHER	<del></del>	<del></del>				1800 HOURS	0-2000
						CON	DITION							
	, <del></del>													
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	4: - 47	48 - 55	≥56	*	MEAN WIND SPEED
	z	1.2	.9	•4	1.0			_					3.6	6.7
	NNE	1.2	7.1	• 4	• 2	• 1							3.1	5.5
	NE	2.1	1.3	• 8									4.2	4.3
- [	ENE	.8	• 7	, 4									1.9	4.4
- 1	E	• 9	• 6	• 2									1.7	3.7
-	ESĒ		• 1										•1	5.0
	SE	• 2	• 3	• 2							Ĺ		• 8	5,4
j	SSE	. 8	• 4	• 2					<u></u>				1.4	3.7
ļ	5	1.0	3.2	• 7						<u> </u>			5.2	5.3
	SSW	1.0	2.7	3.0									9,4	
	sw	1.1	4.2	7.8									22.2	10.2
-	WSW	1.2	2.3				1,3	• 1					18.6	12.0
	W	1.2	1.9		3.8	, 8	• 4						11.3	10.5
	WNW	• 6	• 9	• 8	• 1								2.3	6.2
1	NW	• 2	. 4	• 3									1.1	5.9
1	NNW	• 6	• 8	• 4									2.1	€.4
	VARBL	•						-						
	CALM		$>\!\!<\!\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\times$	$>\!<$	><	><	> <	><	10.9	

TOTAL NUMBER OF DESERVATIONS 897

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#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 MALMSTROM AFB MT/GREAT FALLS 68-77

ATATION NAME

ALL WEATHER

CONDITION

CONDITION

CONDITION

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.7	• 6	1.0	• 8					<u> </u>	<u> </u>		3.0	7.7
NNE	1.0	1.1	. 8	• 1	. 2							3.2	6.0
NE	1.8	1.3	• 7									3.8	4.3
ENE	.7	• 4										1.1	2.9
Ę		• 2	• l									• 3	5.7
ESE	• 4	• 1										•6	2.8
SE		• 4	- 2									.7	6.2
SSE	. 3	. 4										1.0	
\$	1.7	2.6	• 3									5.0	5.0
SSW	1.6	4.6	3.8	2.0	. 3	• 1						12.4	7.6
SW	1.4	4.9	9.5	6.7	2.8	,6						25.9	
W\$W	1.2	2.6		5 . 8		1,1						18.6	11.3
w	• 9	2.0		1.6		• 1	•					7.7	9.4
WNW	• 4	• 3	• 8	• 2	.1							1.9	7.3
NW	. 8	• 7										2.0	4.9
NNW	• 4	• 3	• 1									• 9	3.9
VARBL													
CALM	$\times$	$\geq \leq$	$\mathbb{X}$	><	$\times$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$		11.9	<b>V</b> 1
	13.4	22.6		17.6			. 1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 897

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12	MALI	ASTROM A			FALLS		68	-77						MUA
ION .			MOITATE	J MAM E					*	EARS				HTMO
		_				ALL W	EATHER				<u> </u>			ALL
						EI	A88						KOUME	(L.S.T.)
						CON	DITION							
		_	· · · · · · · · · · · · · · · · · · ·											
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	. 8	• 8			,0	• 0						3.0	
	NNE	1.0	1.2	, 8	• 2	.1							3.4	5.
	NE	1.3	1.4	, 5	• 1								3.3	4.
	ENE	• 8	v 6	• 2	•0								1.7	3•
	E	.4	• 3		• 1								1.0	
	ESE	• 3	• 2	•1									5	3•
	SE	• 3	• 3	,1									•6	
	SSE	•4	• 2	,1									. 7	3.
	. 5	.9	1.6	, 3	• 4	•0							3.3	5•
	SSW	• 9	2.3	2.3		.7	• 1	•0					8.5	
	SW	1.2	4.1	7.3	7.5	2.9	. 9	• 2	•0				24.0	11.
	WSW	1.0	2.7	4.3		3.1	1.8	• 3					20.3	
	W	1.0	2.3	2,6	2.5	1.2	. 8	•1	.0				10.6	
	WNW	• 6	• 8	• 8	• 3	•2	•0		•0				2.8	7.
	NW	• 6	• 7	, 5		•0	• 0						.2.1	6.
	NNW	• 6	•7	• 4	• 2	•0							1.8	5•
	VARSL	1								<del>,</del>	1	1		

TOTAL NUMBER OF OBSERVATIONS 7193

12.6

8.6

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#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MALMSTRUM AFB MT/GREAT FALLS  STATION NAME	67-76			
	ALL	WEATHER CLASS	0000-0200 HOURS (L.S.T.)		
	c	ONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	1.7	1.6	• 4								4.2	6.7
NNE	1.2	1.6		• 1	• 1							3.4	5•2
NE	• 5	• 9	• 6									2.0	5.3
ENE	• 3	•4										• 8	
E	• 2											•2	2.5
ESE	. 3											• 3	2.0
SE													
SSE	• 3		• 2									• 5	4.8
S	1.3	1.0										2.5	3.9
SSW	1.3	2.3										8.8	
SW	1 - 1	5.7	9.1	8.2			• 4					30.0	11.5
WSW	1.1	3.7	5.2	5.5	3.4	1.1	• 4					20.3	11.9
W	. 8	2.6	2.3	1.6	. 4	• 1						7.7	8.5
WNW.	. 6	. 8	1.1	• 1					•			2.6	6.0
NW	• 3	•6	• 6	•6	. 1							2.4	8.4
NNW	• 3	1.2	1,1	• 2	• 1							2.9	7.4
VARSL								•					
CALM	><	> <	$\times$	>>	$\times$	><	$\times$	$\boxtimes$	><	$\supset <$	$\supset <$	11.3	
	10.1	22.4	24.5	19.0	9.5	2,4	• 9					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 STATION	MAL	MSTROM	AFB MT		FALLS		67	<b>-</b> 76		TEARS			<u> </u>	DEC
\$1A1AM		_				ALL W	EATHER LASS						030	0=0500 (L4.T.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.8	1.1	• 6	• 2		-	<del></del>					2.7	5.4
	NNE	.5	•9	, 5	• 5								2.5	7.0
	NE	•2	1.7	• 5							·		2.5	5.3
	ENE	• 5	• 3										•9	3.1
	E	•6	•2						· · · · · · · · · · · · · · · · · · ·		1		•9	3.0
	ESE	•1	•1										•2	3.5
	SE	•1	•1							· · · · · ·			•2	3.5
	SSE	.4	•										• 4	
	\$	.5											2.5	5.0
	SSW	1.1	2.5	2.2	1.8		• 1						8.4	8.6
	SW	1.5	5.4				1.7	,4	1				30.2	11.9
	WSW	1.6			6.3		· 1.5						20.2	
	W	• 9	2.5	2.6	1.2	. 5	• 1		:				7.7	8 • 4
	WNW	•6											3.2	
	NW	• 5				.2							3.0	
	NNW	• 4	1.1	• 8	• 3								2.6	6.5
	VARBL			•										
	CALM	$\geq \leq$	$\geq \leq$	$\times$	$\mathbb{X}$	$\times$	$\mathbb{X}$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.9	
		1 1					_				I			

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE CASOLETE

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MALMSTROM AFB MT/GREAT FALLS	67 <b>-7</b> 6	DEC
STATION NAME	YEARS	NONTH
ALL	L WEATHER	0600-0800
	CLASS	HOURS (L.S.T.)
	CONDITION	
		STATION HAME  ALL WEATHER  CLASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	17 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•4	•6	1.0	• 8								2.8	7.8
NNE	1.1	1.1	• 3		.1							3.4	7.0
NE	• 9	1.0	• 2							Ī		2.0	4.2
ENE	•9	• 5	•1									1.5	3.5
E	• 3	• 2										• 5	2.8
ESE	•4											• 4	2.3
SE								,					
SSE		• 1		• 1								• 2	8.0
5	• 5	• 3	• 3									1.3	5.1
SSW	1.0	2.3	1.3	1.9	.6	• 2						7.3	9.5
sw	1.5	5.1	6.9	9.1	4.2	1.8	• 3					28.9	11.8
WSW	1.0		4.9	8.1	3.5	1.6	• 2					23.3	12.2
w	1.4	2.2	2,3	1.0	. 2			•				7.0	7.1
WNW	• 5	1.1	• 6	• 4								2.9	7.0
NW	1.0	• 6	•3	• 5	.1							2.6	6.5
NNW	• 3	• 3										2.2	8.4
VARBL													
CALM	$\supset \subset$	$\times$	> <	$>\!\!<$	> <	$\times$		$\times$	$\supset <$	$\supset <$	$\searrow$	13.5	
	11.2	19.4	19,0	23.7	9.0	3.7	• 5					100.0	8.7

TOTAL NUMBER OF DESERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALHSTROM AFB MT/GREAT FALLS	67 <b>→</b> 76		DEC
STATION	STATION NAME	<del></del>	YEARS	MONTH
ć		ALL WEATHER		0900-1100
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	<b>%</b> ·	MEAN WIND SPEED
N	• 3	•6	1.2	• 4	. 1		. !					2.7	8.7
NNE	• 9	1.3	• 3	• 4								2.9	5.8
NE	• 6	1.2	• 8	• 2								2.8	6.0
ENE	• 6	• 9	• 1									1.6	4.2
E	• 1	• 3	•1							•		•5	4.8
ESE		,1										•1	4.0
SE	• 3	• 1						•				•4	3.5
SSE	• 3	• 2										• 5	2.8
<b>S</b> ·	• 9	• 5	• 2									1.6	4.1
SSW	•6	1.0	1.0	2.3	1.3	• 3	•1					6.6	12.2
SW	1.3	4.1	7.5	9.0	5,5	1.8	•2	•1				29.6	12.4
WSW	• 3	3.0	3.3	9.4	5.3	2.8						24.1	14.0
w	1.3	1.1	2.3	1.7	.4	• 3						7.1	9.3
WNW	• 2	• 9	• 8	• 5								2.4	7.4
NW	•1	1.1	1.1	• 8	.2							3.2	8.6
NNW	• 1	•4	• 9	•4								1.8	8.8
VARBL						,							
CALM	><	$\times$	$\times$	$\times$	$>\!\!<$	$\times$	$\times$	> <	$\geq$	$\boxtimes$	$\geq \leq$	12.0	
	8 • 1	16.8	19.5	25.2	12.8	5.3	.3	.1				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 030

USAFETAC,  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SSW

SW

WSW

WNW

NW

NNW

CALM

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

112	MALE	ISTROM /	AFB MT		FALLS		67	<del>-</del> 76	<del></del>	YEARS				DEC
			•			ALL W	EATHER							0-1400
							LASS							(L.S.T.)
		_				COI	IDITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
	N	1.0	. 8	1.2	. 4					<del>                                     </del>			3.3	6.4
	NNE	1.3		1.6					l				4.7	6.3
	NE	• 9	1.4	1.0									3.2	5.3
	ENE	• 2	• 3								<u> </u>		• 5	3.6
	E	• 2	•1	•1									•4	3.8
	ESE	•1	•1	• 1									• 3	4.7
	SE	• 1	• 3								<u> </u>		4	4.3
	SSE		• 3			•				<del> </del>			. 3	4.7
	· 5	•6											1.3	3.3

7 • 2 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6 100 • 0 11 • 6

14.6

15.2

13.5

10.8

8.6

29.4

7.6

3.3

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4.6

6.1

2.2

•9 1•0

1.6

1.5

10.1

3.0

1.0

6.7

2.5

W WNW

NW

NNW VARBL

CALM

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MAL	1STROM	AFB MT		FALLS		67	<b>-</b> 76						DEC
STATION		-	STATION	I MANE			FATHER			EAMS	_ <del></del>		1500	енти 0=1700 I (LS.T.)
		-				CONI	BITION			•				
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
Ī	N	1.1	2.5	1.3	• 2	.3							5.4	6.4
Ī	NNE	1.3		2,2									4.9	6.5
	NE	• 6			• 1								3.2	5.6
	ENE	• 2	. 8	•1									1.1	4.6
	E	• 6	• 1	•1									• 9	3.3
	ESE	• 2											•2	2.€7
[	SE	• 1											• 2	3.5
	SSE	. 5			•								•5	2.2
[	S	• 5											1.7	4.3
[	SSW	• 5											5.9	9.7
[	SW	. 8							.1		<u> </u>		24.1	13.0
[	WSW	• 4		5.6				•2					26.2	13.8
	W	• 5	1.7	1.9	2.8	1.9	.2	• 1	1				9.4	12.2

		-
TOTAL NUMBER	OF OBSERVATIONS	930

3.4

8.5

7.1

8.3

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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2.8

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALHSTROM AFB MT/GREAT FALLS	67-76	DEC
STATION	STATION NAME	YEARS	MONTH
	ALL ALL	WEATHER	1800-2000
		CLASS	HOVES (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3	2.2	• 5	• 6								4.6	5.8
NNE	• 8	1.3	1.1	• 1								3.2	5.7
NE	•6	1.2	• 4	• 2								2.5	5.3
ENE	• 1	• 4	• 1									6	
E	• 3	• 2										• 5	2 • 8
ESE											1		
SE	• 1											•1	,2.0
SSE	8.	• 3										1.1	3.3
\$	- 5	2.5	• 8	• 1								3.9	5.3
SSW	1.3	2.0		• 9	. 8	1						7.7	8.3
sw	1.4	4.5	8.3	7.5	3.2		.3					25.8	10.8
WSW	• 9	2.5	6+1	8.2	2.8	1.9			·			23.0	13.0
w	• 5	1.7	1.4		1.0	.1						6.5	
WNW	• 2	• 9	• 8	• 6								2.5	8.0
NW	. 5	• 4		•6								2.7	7.6
NNW	• 4	• 3	1,2	1.0	.1							3.0	9.1
VARBL										-			
CALM	$\times$	$\ge <$	$\mathbb{X}$	$\times$	X	$\times$	> <	$\ge$	$\geq \leq$	$\geq$	$\supset \subseteq$	12.3	
	9.8	20.4	24.4	21.6	7,8	2.7	. 8	, 2				100.0	8 • 6

TOTÁL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTROM AFB MT/GREAT FALLS	67=76	DEC
STATION	STATION NAME	YEARS	MONTH
	AL L	WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
	•	COMPLTION	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	, 9		_ 3								3.5	6.
NNE	1.0	1.0	•9	• 3	• 1							3.2	6.0
NE	• 2	• 8	. 9									1.8	6.
ENE	• 4	• 2		•1								• 8	4.
E		•1										•1	4.
ESE	• 2											• 2	1.5
SE	• 1	• 1										• 2	3.0
\$SE	. 4	• 3										_ • 8	3.
\$	. 8	1.1	• 3	• 1	. 1		·					2.4	5.
SSW	• 9	2.9	1.9	2.0		• 2						8.6	9•
SW	1.7	5.7	8.2	8.8		1.6						29.9	11.
WSW	1.5	3.1	5,3	4.9	2.8	1,5	.5					19.8	12.
w	• 5	2,3	2,3	2.4		• 2.						8.6	9•
WNW	• 2	1.0	1.3	• 3								2.8	7.
NW	. 4	• 9	, 8	• 2	. 1							2.4	7.:
NHW	• 3	• 6	1.4	•8	.1	- +			l			3.3	9•
VARBL					-								
CALM	$\supset \subset$	><	><	><	><	><		><			$\supset <$	11.6	
	9.7	20.9	24.5	20.3	8,5	3.7	ű,					100.0	8.

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JR. 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112	MALMSTRUM AFB MT/GREAT FALLS	67-76	DEC
STATION	STATION NAME	YSARS	нтион
	<i>,</i>	ALL WEATHER	ALL
		CLANG	HCURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	8.	1.3	1.1	• 4	• 1							3.7	6.5
NNE	1.0	1.2	• 9	• 4	•0							3,5	
NE	• 6	1.2	• 7	• i								2.5	5.4
ENE	• 4	• 5	• 1	• 0								1.0	
£	• 3	• 2	•0									• 5	3.3
ESE	• 2	•0	•0									• 2	2.8
SE	• 1	• 1										• 2	3.5
SSE	• 3	• 2	•0	• 0								•6	3.5
5	• 7	1.1	• 3	• 0	•0							2.1	4.7
SSW	• 9	1.9	1.7	1.7	. 8	• 3	• 0					7.2	9.6
SW	1.3	4.5	7.0	8.8	4.5	1.0	• 4	.1				28.0	
WSW	• 9	3.1	5.2	7.7	4.0	2.1	• 3	. 1				23.3	13.1
w	• 8	1.8	2.1	1.9	1.0	•2	•0	•0				7.^	10.1
WNW	• 3	1.0	• 8	• 4	•0							2.1	
NW	•5	• 8	•8	• 5	. 1							2 • 8	7.6
NNW	• 3	• 7	1.0	• 5	.1	•0						2.7	8.5
VARBL													
CALM	><	$\geq \leq$	$\geq$	><	$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	11.0	
	9,5	19,5	21.9	22.5	10.6	4.2	• 7	,1				100.0	9,3

TOTAL NUMBER OF OBSERVATIONS 7440

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

112	MALM	ISTROM A			FALLS		67-	-77						ALL ONTH
ATION			STATION	HAME		ALL WI	EATHER		Y	ears				•••• •••
		-	<del></del>				ASS				<del></del>			(L.S.T.)
						CON	DITION	······································						
_														
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
r	N	.9	1.3	1.2	8.	.1	•0	•0					4.2	7.4
Γ	NNE	1.0	1.6	1.2	• 7	. 1	• 0	• 0					4.6	7.0
Γ	NE	• 9	1.5	1.1	• 5	• j	• 0						4.0	6.6
ľ	ENE	• 6	. 9	• 5	• 2	•0	•0						2.2	5.7
	£	• 6	• 6	• 3	•1	• 0	•0						1.6	5.1
	ESE	• 3	. 3	• 2	• 1	•0							• 9	5.6
	SE	.4	• 4	• 2	• 1	•0	•0						1.1	5.5
-	SSE	• 5	• 5	• 2	•0	•0							1.4	4.7
	\$	1.2	1.8	• 6	• 2	•0							4.0	5.2
ľ	SSW	1.2	2.5	1.5	1.0	.3	• 1	•0					6.7	7.4
Ī	SW	1.5	4.0	5.3	4.5	1.5	• 5	• 1	•0				17.6	9.9
t	WSW	1.0	3.0	4.3	5.5	2.3	1.0	• 2	•0				17.3	11.7
r	W	1.1	2.7	3.1	2.8		• 4	•1	.0				11.3	10.0
r	WNW	•6	1.1	1.1	•6	. 1	•0	•0	.0				3.6	7.8
T	NW	•6	• 9	٤3	• 4	• 1	• 0	•0					2.8	7.2
Γ	NNW	• 5	• 8	• 8		•1	•0						2.8	7.5

TOTAL NUMBER OF OBSERVATIONS 87665

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6

2

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24112 MALMSTROM AFR MT/GREAT FALLS 67-77

STATION STATION NAME

INSTRUMENT

CLG 200 TO 1400 FT W/ VS3Y 1/2 MI OR MORE,

C16 200 TO 1400 FT W/ VS3Y 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	4.1	5•5	4.3	. 9	. 3						16.7	9.2
NNE	2 • 1	5.5			1.1	• 1	• 0					18.3	
NE	1.4	3.6		2.3	, 4	• 0						10.8	
ENE	.7	1.3	• 8	• 3	, 1	• 1						3.3	
E	• 5	• 7	• 1	• 0								1.3	
ESE	• 2	• 4	• 1									• 8	4.5
SE	• 2	• 1	• 1									• 4	4.3
SSE	• 2	• 1	• 0									• 3	
\$	• 2	•1										• 4	
SSW	• 5	• 2		• 1	•0							• 8	4.3
sw	9	•7	• 5	• 2		•1						2.4	
WSW	.5	.9		•8		•0	• 0					3.2	8 • 8
W	• 8	1.5										4.9	
WNW	.6	1.9		• 7	• 2							5.2	
NW	.9	2.2		1.4		•0			l			7.2	8.0
NNW	1.3	2.7	3.5	2.7	.4	• 1						10.7	8.6
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	13.4	
<u></u>	12.8	25.8	25.7	17.9	3.7	. 8	•0		<u> </u>			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 5286

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by reference to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							VIS	IBILITY (ST	ATUTE MI	LES)						
(FEET)	≥ 10	€6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥11/4	≥1¼	≥ 1	≥ ¾	≥ %	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	$\sim$														<u></u>	
≥ 1800 ≥ 1500		•			91.0											92.6
≥ 1200 ≥ 1000												,				
≥ 900 ≥ <b>8</b> 00									,							<u> </u>
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4		<u> </u>			<u> </u>	98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3			,			100.

- FRAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ . For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.

  Ceiling  $\geq 500$  feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:

  Visibility ≥ 3 miles = 95. %.

  Visibility ≥ 2 miles = 96.9%.

  Visibility ≥ 1 mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

874-20003

#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE #5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

D - 3

S74-29964

## CEILING VERSUS VISIBILITY

24112 MALMSTROM AFB MT/GREAT FALLS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES,				_		
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥1	≥ 3/4	≥¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	29.5 34.5	42.5 52.7	42.8 53.1	42.9 53.2	43.4 53.9	43.8 54.2	44.0 54.5	44.0 54.5	44.0 54.5	44.0 54.5	44.0 54.5	44.0 54.5	44.0 54.5	44.0 54.5	44.0 54.5	44.1 54.0
≥ 18000 ≥ 16000	34.5	52.7 52.7	53,1. 53.1	53.2 53.2	53.9 53.9	54.2 54.2	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.5 54.5	54.6 54.6
≥ 14000 ≥ 12000	35.2 38.4	53.5 58.2	54.0 58.7	54.1 58.8	54.7 59.5	55.1 59.8	55.4	55.4 60.1	55.4 60.1	55.4	55.4 60.1	55.4	55.4	55.4 60.1	55.4 60.1	55.5 60.2
≥ 10000 ≥ 9000	46.5 46.9	67.5 68.4	68,2 69,0	68.3 69.1	69.0 69.9	69.4 70.2	69.8 70.6	69.8 70.6	69.8 70.5	70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.9 70.8
≥ 8000 ≥ 7000	48.9 49.7	71.2 72.8	71.9 73.7	72.0 73.8	72.8 74.5	73.1 74.8	73.5 75.3	73.5 75.3	73.5 75.3	73.5 75.3	73.5 75.3	73.5	73.5	73.5 75.3	73.5 75.3	73.7 75.4
≥ 6000 ≥ 5000	50.3 51.8	73.9 75.6	74,7 77.0	74.8	75.6 77.8	75.9 78.2	76.3 78.6	76.3 78.6	76.3 78.6	76.3 78.6	76.3 78.6	76.3 78.6	76.3	76.3 78.6	76.3 78.6	78.7
≥ 4500 ≥ 4000	52.0 53.4	76.2	77.8	78.0 81.1	78.7 81.9	79.0 82.3	79.5 83.0	79.5 83.2	79.5 83.2	79.5 83.2	79.5 83.2	79.5 83.2	79.5 83.2	79.5 83.2	79.5 83.2	79.6
≥ 3500 ≥ 3000	53.8 54.4	80.0 81.4	81,7 83.7	81.8 83.9	83.1 85.5	83.4 85.9	84.2	84.4 87.1	84.4	84.4	84.4	87.4	84.4	87.4	84.4	
≥ 2500 ≥ 2000	54.5 54.7	82.3 83.2	84.7	85.1 86.5	87.0 88.6	87.4 89.0	88.5	90.8	88.7 90.8	89.0 91.1	89,0 91.1	89.0 91.1	89.0 91.1	89.0 91.1	89.0 91.1	89.1 91.2
≥ 1800 ≥ 1500	54.7 55.2	83.2 83.9	86.2 87.0		88.8 89.6	89.2 90.0	90.3	91.0 92.3	91.0	91.4	91.4	91.4 92.7	91.4	91.4	91.4	91.5
≥ 1200	55.5 55.6	84.7	88.0 88.2	88.4	90.6	91.1 91.4	92.3	93.8	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.5
≥ 900 ≥ 800	55.6 55.7	84.8	88.2 88.3	88.6	91.5	91.6	92.9	94.9	95.5 95.9	96.2	96.3	96.3 97.1	96.3 97.1 97.8	96.3 97.1 97.8	96.3 97.1 97.8	97.2
≥ 700 ≥ 600	55.8 55.8	85.2 85.2	88.5		91.9	92.4	93.7	95.9	96.5 96.7 97.1	97.5 98.2 98.7	97.8 98.5	98.5	98.5	98.5	98.5	
≥ 500 ≥ 400 ≥ 300	55.8 55.8	85.3 85.3	88.6		92.0 92.0	92.5 92.5	94.0	96.3 96.3	97.2	98.9	99.0	99.5	99.5	99.5	99.5	99.6
≥ 200	55.8	85.3 85.3	88,6	89.0	92.0	92.5 92.5 92.5	94.0	96.5	97.3	99.0	99.4	99.7	99.8	99.8	99.8	99.9
≥ 100	55.8	85.3	88.6		92.0			96.5	97.3	99.0	99.4	99.7	99.8	99.8	_ 2 × 2	100.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1½	≥1%	≥۱	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	28.6 35.8	41.8 54.3	42.3	42.4 54.8	42.8 55.4	43.2 55.8	43.3 56.0	43.3 56.0	43.3 56.0	43.3 56.0	43.4 56.1	43.4 56.1	43.4	43.4 56.1	43.4 56.1	43.4 56.1
≥ 18000 ≥ 16000	35.8 35.8	54.3 54.3	54.7 54.7	54.8 54.8	55.4 55.4	55.8 55.8	56.0 56.0	56.0 56.0	56.0 56.0	56.0 56.0	56.1 56.1	56.1 56.1	56.1 56.1	56.1 56.1	56.1 56.1	56.1 56.1
≥ 14000 ≥ 12000	36.2 38.7	54.7 57.7	55.2 58.2	55.3 58.3	55.8 58.9	56.2 59.5	56.5 59.7	56.5 59.7	56.5 59.7	56.5 59.7	56.6 59.8	56.6 59.8	56.6 59.8	56.6 59.8	56.6 59.8	59.8
≥ 10000 ≥ 9000	45.8	65.9 67.1	67.8	66.8	67.4	68.0 69.1	68.5	68.5 69.7	68.5	68.5 69.7	68.6 69.8	68.6 69.8	68.6	68.6	68.6	
≥ 8000 ≥ 7000	47.8	69.5 70.5	70,2	70.3	71.0	71.5	72.0	72.0 73.1	72.0 73.1	72.0	72.2 73.2	72.2	72.2	72.2	72,2	73.2
≥ 6000 ≥ 5000	49.2 51.1	71.7	72.5	72.6	73.2 75.9	73.8	74.3	74.3 77.0	74.3	77.0	77.1	77.1	74.4	77.1	77.1	74.4 77.1
≥ 4500 ≥ 4000	51.6 52.5	75.3	76.1 78.2	76.3 78.6	77.1	77.6 80.2	78,2 81.1	78.2 81.2	78.2 81.2	78,2 81,2	78.3 81.5	78.3	81.5	78.3 81.5 83.4	78.3 81.5 83.4	78.3 81.5
≥ 3500 ≥ 3000	53.0 53.5	79.1 80.5	80.1	80.5 82.4	81.6	82.2	83.0 85.1	83.1	83.1	83.1	85.8	83.4	83.4 85.8 86.5	85.8 86.5	85.8	83.4 85.8 86.5
≥ 2500 ≥ 2000 ≥ 1800	53.5 54.5	80.8 82.0 82.3	82,0 83,9 84,3	82.6 84.4 84.8	83.9 86.2 86.7	84.6 87.1 87.7	85.7 88.5 89.1	86.0 88.9 89.6	86.0 88.9 89.6	86.0 88.9	86.5 89.4 90.0	86.5 89.4 90.0	86.5 89.4 90.0	89.4	89.5	89.5
≥ 1500 ≥ 1200	55.1 55.4	82.9	84.3 85.4 85.9	85.9	88.0	89.0	90.6	91.4	91.4	91.4	91.8	91.8	91.8	91.8	91.9	91.9
≥ 1000	55.5 55.7	84.0	86.7	87.3	89.7	90.8	92.5	94.3	94.3	94.4	94.8	94.8	94.9	94.9	95.1 95.4	95.4
≥ 800	55.7	84.2	86.9	87.5	89.9	91.0	92.7	95.5	95.3	95.5	96.5	96.5	96.7	96.1	96,3	96.3
≥ 600	56.3	84.8 85.2	87.5	88.2	90.6	91.7	93.4	96.6	96.9	97.7	97.7	97.7	98.0	98.6	98.3	98.3
≥ 400	56.3	85,2	87.8	88.5	91.0	92.0	93.8	96.7 96.8	97.0	97.8	98.5	98.5 98.9	98.7	98.7	99.1	99.1
≥ 200	56.3	85.2	87.8		91.1	92.2	93.9	96.8	97.2	98.2	98.9	98.9	99.2	99.1	99.5	99.8
≥ 0	50.3	85,2	87.8	88.5	91.2	92.3	94.0	96.9	97.3	98.2	99.0	99.0	99.2	99.2	99.7	100.Ô

TOTAL NUMBER OF OBSERVATIONS\_

SAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING		-					VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥ı	≥ %	≥%	≥%	≥5/16	≥′4	≥0
NO CEILING ≥ 20000	32.4 40.9	40.0 53.1	40.3 53.7	40.3 53.8	40.5 54.0	40.8 54.3	40.9 54.4	54.5		41.4 54.9	41.5 55.1	41.5 55.1	41.6 55.2	41.6 55.2		41.9 55.5
≥ 18000 ≥ 16000	40.9	53.1 53.1	53.7 53.7	53.8 53.8	54.0 54.0	54.3 54.3	54.4 54.4	54.5 54.5	54.6 54.6	54.9 54.9	55.1 55.1	55.1 55.1	55.2 55.2	55 • 2 55 • 2	55.5 55.5	55.5 55.5
≥ 14000 ≥ 12000	41.0	53,2 56,3	53,8 56.9		54.1 57.2	54.4 57.5	54.5 57.6	54.6 57.7	54.7 57.8	55.1 58.2	55.2 58.3	55.2 58.3	55.3 58.4	55.3 58.4		55.6 58.7
≥ 10000 ≥ 9000	48.5	61.8	62,4		62.9 64.5	63.2	63.4	63.5 65.3	63.7 65.4	64.0	64.1 65.8	64.1 65.8	64.2	65.9	64,5	66.2
≥ 8000 ≥ 7000	51.5 52.9	65.9 67.6	66,5 68,2		67.2 68.9	67.5 69.2	67.8	68.0 69.7	68.1	68.4 70.1	68.5 70.2	68.5 70.2	68.6		68.9 70.6	70.6
≥ 6000 ≥ 5000	54.5 57.2	70.2	70,8 73.7	70.9 73.8	71.5	71.8	72.2	72.3 75.2		72.7 75.6	72.8 75.7	72.8 75.7	72.9		73.2	76.1
≥ 4500 ≥ 4000	58.3 60.2	74.8	75.4 78.8	75.6 79.1	76.2 79.8	76.6 80.1	76.9 80.6	77.0 81.0	77•1 81•1	77.4 81.5	77.5 81.7	77.5 81.7	77.6		78.0	82.2
≥ 3500 ≥ 3000	60.8 61.0	79.2 80.4	80.3 81.7	80.6 82.2	81.6 83.5	81.9 84.0	82.7 84.7	83.0 85.1	83•1 85•2	83.5 85.6	83.8	83.8 85.8	83.9		84.2	86.2
≥ 2500 ≥ 2000	61.4 61.8	81.0 81.8	82.5 83.3	82.9 83.9	84.5 85.8	84.9 86.3	85 <b>.8</b> 87 <b>.</b> 7	86.1	86.2 88.5	86.7	86.9 89.1	86.9 89.1	87.0	87.0	87.3 89.6	
≥ 1800 ≥ 1500	62.0 62.2	82.6	83.8	84.8	86.2 87.3	86.8 87.8	88.2	88.7 90.1	88.9 90.3	89.4 90.8	89.6 91.0	89.6 91.0	89.7 91.1	89.7 91.1	90.0 91.4	90.0 91.4
≥ 1200 ≥ 1000	62.2		84.4		87.5 88.5	88.3 89.4	89.9 91.1	90.6 91.9	90.9	91.4	91.6 93.1	91.6 93.1	91.7	91.7	92,2	93.7
≥ 900 ≥ 800	62.3	83.2	84.9		88.6		91.2 91.4		92.3 92.8	93.1	93.3	93.3	93.4	93.4	93.9	93.9
≥ 700 ≥ 600	62.8		85.7 85.7	86.5		90.3	92.2	93.3	93.7	94.5	94.9	95.2	95.3	95.3	95.7 96.8	95.7 96.8
≥ 500 ≥ 400	63.2	83.9	85.8	86.6	89.6 90.0		92.4	94.1	94.4	95.6	96.3	96.6 97.5	96.9	97.0 98.1	97.5 98.6	98.6
≥ 300 ≥ 200	63.2	84.4			90.2	91.5		95.1 95.2			97.7 98.0	98.2	98.5 98.9 99.2		99.6	
≥ 100 ≥ 0	63.2	84.4	86.3		90.2 90.2		93.3	95.2 95.2		97.2		98.4 98.4	99.2			100.0

TOTAL NUMBER OF OBSERVATIONS....

930

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥1%	≥ı	≥¾	≥.3/8	≥%	≥ 5/16	≥1⁄4	≥0
NO CEILING ≥ 20000	34.4 43.3	35.2 44.3	35,8 45,2	35.8 45.2	36.2 45.7	36.5 45.9	36.6 46.0	37.1 46.6	37.1 46.6	37.3 46.8	37.4 46.9	37.4	37.5 47.0	37.5 47.0	37.7 47.2	47.2
≥ 18000 ≥ 16000	43.7 43.8	44.6	45.5 45.6	45.5 45.6	46.0	46.2 46.3	46.3	46.9 47.0	46.9 47.0	47.1 47.2	47.2 47.3	47.2 47.3	47.3	47.3 47.4	47.5 47.6	47.5
≥ 14000 ≥ 12000	44.8 50.8	45.8 51.7	46.7 52.6	46.7 52.6	47.2 53.1	47.4 53.3	47.5 53.4	48.1 54.0	48.1 54.0	48.3 54.2	48.4 54.3	48.4 54.3	48.5	48.5 54.4	48.7 54.6	48.7 54.6
≥ 10000 ≥ 9000	60.3	61.9 63.5	62,8 64,4	64.4	63.3 64.9	63.5	63.7 65.3	64.2 65.8	64.2 65.8	64.4	64.5	64.5	64.6 66.2	64.6	64.9	64.8
≥ 8000 ≥ 7000	64.5 67.8	66.3 69.8	67.4 70.9	67.4 70.9	68.1 71.5	68.3	68.5 71.9	69.0 72.5	69.0 72.5	69.2 72.7	69.4 72.8	69.4 72.8	69.5 72.9	69.5 72.9	69.7 73.1	69.7 73.1
≥ '6000 ≥ 5000	71.1 72.5	73.2 75.6	74.3 76.7	74.3 76.7	75.1 77.6	75.3 77.8	75.5 78.1	76.0 78.6	76.0 78.6	76.2 78.8	76.3	76.3 78.9	76.5	76.5 79.0	76.7	79.2
≥ 4500 ≥ 4000	72.6	76.2 78.8	77.4 80.1	77.4 80.1	78.5 81.4	78.7 81.7	78.9 82.4	79.5 82.9	79.5 83.0	79.7 83.2	79.8	79.8 83.7	79.9 83.8	79.9 83.8	80.1 84.0	
≥ 3500 ≥ 3000	74.8	79.5 80.1	80.9	81.8	82.3	82.6 84.2	83.3 85.1	83.9 85.6	84.0	84.2	84.6	84.6 86.6	84.7	84.7	84.9	
≥ 2500 ≥ 2000	75.5 75.8	80.5	82.0 82.7	82.3	84.6	84.9	86.1	-	87.0	87.3 88.3	88.8	87.7	87.8		88.2	89.4
≥ 1800 ≥ 1500	75.8 75.9	81.5	82.7	82.9	85.4 85.8	85.7 86.1	87.0 87.7	87.6 88.5	88.9	88.7 89.7	90.2	89.2 90.3	89.4 90.4	90.4	89.8 90.9	
≥ 1200 ≥ 1000	75.9 75.9	81.6	83.2	83.5	86.6	86.7	88.4	89.1 90.0	89.8 91.1	90.8 92.5 93.0	91.3 93.2 93.8	91.4	91.5	91.5	93.9	
≥ 900 ≥ 800 ≥ 700	76.1	81.8 \$1.9	83.4	83.8 83.9 84.0	86.9 87.0	87.3 87.4	89.5	90.4 90.9 91.2	91.5	93.9		93.9 95.1 95.9	94.0 95.5 96.3	95.5	95.9	
≥ 600	76.2 76.2	82.2	83.8 83.8	84.1	87.2 87.2	87.5 87.6	89.8	91.3	92.3 92.4 92.7	94.4	95.9	96.1 96.8	96.7 97.6	96.7	97,1	97.2 98.3
≥ 500 ≥ 400 ≥ 300	76.2 76.5	82.4 82.5	84.0 84.1	84.3	87.5	87.6 88.0 88.1	90.0	91.6 92.2	93.4	95.7	97.4	97.7	98.7 98.9	98.8	99.4	99.6
≥ 200	76.6 76.6 76.6	82.5	84.1 84.1	84.4	87.6 87.6	88.1	90.6		93.5 93.5	95.8 95.8	97.6	98.0	98.9	99.2	99.8	100.0
≥ 100 ≥ 0	76.6		84.1	84.4	87.6	88.1	90.6	92.3	93.5	95.8	97.6	98.0	98.9			00.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC  $_{\rm JUL\,64}^{\rm FORM}$  0-14-5 (OL A) previous editions of this form are obsolete

## CEILING VERSUS VISIBILITY

24112 MALMSTROM AFB MT/GREAT FALLS 08-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)			•			
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	≥1¼	≥ા	≥¾	≥ 3/8	≥ ⅓	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	35.2 46.2	36.8 48.8	36.9 49.1	37.0 49.2	37.4 49.9	37.4 49.9	37.4 50.0	50.1	37.5 50.1	37.7 50.4	37.7 50.4	37.7 50.4		37.7 50.4	37.7 50.4	37.7 50.4
≥ 18000 ≥ 16000	46.7 46.8	49,2 49,4	49.6	49.7 49.8	50.3 50.4	50.3 50.4	50.4 50.5	50.5 50.6	50.5 50.6	50.9 51.0	50.9 51.0	50.9 51.0	50.9 51.0	50.9 51.0	50.9 51.0	50.9 51.0
≥ 14000 ≥ 12000	48.1 54.9	50.6 57.7	51.0 58.1	51.1 58.2	51.7 58.8	51.7 58.8	51.8 58.9	51.9 59.0	51.9 59.0		52.3 59.4	52.3 59.4	52.3 59.4	52.3 59.4		52.3 59.4
≥ 10000 ≥ 9000	65.8 66.8	68.7 69.8	69.1 70.2	69.2 70.3	70.0	70.0 71.1	70.1 71.2	70.2 71.3	70.2	7.4.4	70.5 71.6	70.5 71.6	70.5	70.5 71.6	70.5 71.6	70.5 71.6
≥ 8000 ≥ 7000	71.1 73.0	74.4 76.5	74.8	74.9		75.8 77.8	75.9 78.0	76.7 78.2	76.0 78.2		76.5 78.6	76.5 78.6	76.5 78.6	76.5 78.6	76,5 78,6	76.5 78.6
≥ 6000 ≥ 5000	74.4	78.1 79.7	78,6 80.3	78.7 80.4	79.6 81.5	79.6 81.5	79.7 81.6	79.9 81.8	79.9 81.8	82.3	80.3 82.3	80.3 82.3	80.3 82.3	80.3 82.3		80.3
≥ 4500 ≥ 4000	75.7 76.9	80.3 82.0	81.3 83.3	81.4	82.6 85.2	82.7 85.3	82.8	83.0 86.0	83.0		83,4	83.4 86.5	83.4	83.4	83,4 86,5	83.4
≥ 3500 ≥ 3000	77.4 78.1	82.6 83.3	84.7	84.3 85.2	86.1 87.5	86.6 88.0	87.0 88.5	87.4	87.4 89.1	89.6	87.8 89.6	87.8 89.6	87.8	87.8	_	89.6
≥ 2500 ≥ 2000	78.1 78.4	83.7 84.4	85.3 86.0	85.7 86.5	88.2 89.1	88.9 90.0	90.8	90.1 91.6	90.1 91.8	90.6	90.6	90.6 92.5	90.6	90.6	90.6	90.6
≥ 1800 ≥ 1500	78.4 78.4	84.4	86.0	86.8	89.1 89.6	90.0		91.6	91.8 93.2	92.4	92.5	92.5	92.5	92.5	92,5	92.5
≥ 1200 ≥ 1000	78.5 78.5	84,9	86.6		90.0	91.3	92.7	93.9	94.3	94.9	95.2 96.7	95.4	95.4	95.4	95.4 96.9	95•4 96•9
≥ 900 ≥ 800 ≥ 700	78.5 78.5	84.9 84.9	86.6	87.2 87.2	90.1 90.1	91.4 91.4		94.6 94.7	95.4 95.5	96.7 97.1	97.4 97.8	97.3 97.7	97.3 97.7 98.3	97.4 97.8 98.4	97.4 97.8 98.4	97.4 97.8 98.4
≥ 600	78.5 78.5	84.9	86.7 86.7	87.3	90.3	91.6	93.1	95.1	95.7 95.8	97.5	97.8 98.0	98.3 98.6 98.9	98.7	98.8 99.1	98.8	98.8 99.4
≥ 500 ≥ 400 ≥ 300	78.5 78.5	84.9	86.7	87.3 87.3	90.3 90.3 90.3	91.6 91.6	93.1 93.1 93.1	95.1 95.1 95.1	95.8 95.8 95.9	97.6 97.6	98.2	98.9 99.0	99.0 99.1 99.4	99.5	99,7	1 * * * ~ 1
≥ 200	78.5 78.5	84.9	86.7	87.3 87.3	90.3	91.6	93.1	95.1 95.1	95.9	1	98.3	99.2	99.4	99.5	99.9	00.0
2 0	78.5	84.9	:	87.3		91.6	93.1	95.1	95.9	97.7	98.3	99.2	99.4	99.5		00.0

930 TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	36.2 46.7	37.8 49.2	38.3 49.9	38.3 49.9	38.6 50.2	38.7 50.3	38.7 50.3	38.7 50.3	38.7 50.3	38.7 50.3	38.7 50.3	38.7 50.3	38.7 50.3		38.7 50.3	38.7 50.3
≥ 18000 ≥ 16000	46.9 47.0	49.6	50,2 50.3	50.2 50.3	50.5 50.6	50.6 50.8	50.6 50.8	50.6 50.8	50.6 50.8	50.6 50.8	50.6 50.8	50.6 50.8	50.6 50.8	50.8	50.6	50.8
≥ 14000 ≥ 12000	49.9 57.5	52.6 60.3	53.2 61.0	53.2	53.5 61.3	53.7 61.4	53.7 61.4	53.7 51.4	53.7	53.7	53.7 61.4	53.7 61.4	53.7	53.7 61.4	53.7 61.4	53.7
≥ 10000 ≥ 9000	67.6	70.8	71.6	71.6	71.9	72.0 74.1	72.0	72.0	72.0	72.0	72.0 74.2	72.0 74.2	72.0 74.2	72.0	72.0 74.2	74.2
≥ 8000 ≥ 7000	71.5	75.4	76.6	76.6 78.8	76.9 79.1	77.0 79.2	77.0 79.2	77.1 79.4	77.1 79.4	79.4	77.1	77.1	77.1	77.1	77.4	77.1
≥ 6000 ≥ 5000	75.7	79.8 81.8	81.0 83.1	81.0	81.3 83.8	81.5	81.6	81.7	81.7 84.3	81.7 84.3	81.7 84.3	81.7	81.7	81.7 84.3 85.1	81.7 84.3	81.7 84.3 85.1
≥ 4500 ≥ 4000 ≥ 3500	77.7 78.6 79.1	82.3 84.2 85.3	83.7 85.6 86.7	83.7 85.6 86.7	84.3 86.2 87.4	84.6 86.9	84.9 87.3 88.7	85.1 87.5 88.9	85.1 87.5 88.9	87.5 88.9	85.1 87.5 88.9	85 • 1 87 • 5 88 • 9	85.1 87.5 88.9	87.5 88.9	87.5 88.9	87.5
≥ 3000	79.1	85.8 86.1	87.3 87.6	87.3	88.4	89.6 89.9	90.0	90.4	90.5	90.5	90.5 91.0	90.5	90.5 91.1	90.5	90.5	90.5
≥ 2000	79.4 79.8 79.8	86.8 86.6	88.3	87.6 38.4 88.4	90.1	91.4	92.0	92.6 92.6	92.8	92.8	92.8	92.9	92.9		92.9	
≥ 1500	80.1	87.8	89.4 90.1		91.4	92.8	93.4	94.3	95.1	95.2	95.2	95.3	95.3	95.3	95.3	. –
≥ 1000	80.3	88,5	90.1	90.5	92.5	93.9	94.6	95.7 95.8	96.5	97.1 97.2	97.2	97.4	97.4	97.4	97.4	
≥ 800	80.4	88.6	90.3	90.6	92.6	94.0	94.7	95.8	96.7 97.1	97.4	97.6	97.8 98.3	97.8	97.8	97.8 98.3	97.8
≥ 600	80.5		90.4	90.9	92.8	94.3	95.3 95.3	96.5	97.3	98.1 98.6	98.4 98.9	98.9	98.9	99.0	99.0 99.6	
≥ 400	80.5	88.8	90.4	90.9	92.8	94.3	95.3 95.3	96.8	97.6	98.6	98.9	99.5	99.5	99.6	99.6	
≥ 200		88.8	90.4	90.9	92.8	94.3	95.3	96.8	97.6	98.6	98.9	99.5	99.7	99.8	00.0	
≥ 100	80.5	1 3 7				94.3		96.8	97.6	98.6	98.9	99.5	99.7	99.8	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112 MALMSTROM AFB MT/GREAT FALLS

68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)	<u></u>					
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ 1/4	≥%	≥%	≥5/16	≥4	≥0
NO CE'LING ≥ 20000	29.1 35.5			41.1 52.8	41.1 52.8	41.2 52.9		41.2 52.9	41.3 53.0		41.3		41.3 53.0	41.3 53.0		41.4 53.1
≥ 18000 ≥ 16000	35.5 35.5	52.0 52.0	52.7 52.7	52.8 52.8		52.9 52.9	52.9 52.9	52.9	53.0 53.0		53.0 53.0	53.0 53.0	53.0 53.0	53.0 53.0	53.1 53.1	53.1 33.1
≥ 14000 ≥ 12000	36.2 41.1	52.9 59.0	53,5 59,7	53.7 59.8	59.8	59.9	53.8		53.9	60.0	53.9 60.0	53.9 60.0	53.9 60.0		54.0 60.	54.0 60.1
≥ 10000 ≥ 9000	48.6	69.9 71.0	71.7	70.8 71.8	71.8	70.9 71.9	70.9	72.0	71.0 72.2	72.2	71.0	71.0	71.0	72.2	71.1	71.1
≥ 8000 ≥ 7000 ≥ 6000	51.1 52.9	73.4	74.2	74.3 76.6	76.6	74.4	74.5	74.5	74.6	77.1	74.6	77.1	74.6	74.6 77.1 78.6	74.7 77.2 78.7	74.7 77.2 78.7
≥ 5000 ≥ 5000	54.2 55.7	77.0 79.4 79.6	80.2	77.8 80.3	80.3	78.3 80.8	78.4 88.9		78.6 81.2		78.6 81.2	78.6 81.2	78.6 81.2 81.5	81.2	81,3	81.3
≥ 4000 ≥ 3500	55.7 57.2 58.1	82,2 84.2	83.2	83.4	83.5	84.1	81.2 84.2 86.6	84.5	84.6	84.6	84.6	84.6	84,6	84.6	84.7	84.7
≥ 3000	58.8 59.0	85.4	87.0 87.4	_ ,	87.6	88.4	88.8		89.5 90.2	89.6	89.6	89.6			89.7	89.7
≥ 2000	59.6 59.6	86.8	88.7	89.0 89.1	89.5	90.4	91.0	91.7	91.9	92.0	92.0			92.0	92.2	92.2
≥ 1500 ≥ 1200	59.7 59.7	87.5	89.6			91.5	93.9	93.2	93.5 95.4	93.7	93.7	93.7	93.8	93.8	93.9	93.9
≥ 1000 ≥ 900 ≥ 800	59.7 59.9	88.9		91.5	92.8	93.8	94.8	96.2	97.0		97.2	97.2	97.3	97.5	97.4	97.4
≥ 700	60.1	89.4	91.5	91.9 92.0		94.4	95.5	97.0	97.8	98.5	98.3 98.5	98.3 98.5	98.4	98.6	98.5 98.7	98.7
≥ 500	60.1	89.5 89.5	91.6	92.0	93.5	94.5	95.8	97.5	98.3	99.2	99.5	99.5	99.1	99.7		99.2
≥ 400 ≥ 300 ≥ 200	60.1	89.5	91.7	92.2	93.5	94.5	95.8	97.5	98.5	99.2	99.5	99.5	99.7	99.7		99.9
≥ 100 ≥ 0	60.1	1	91.7	92.2	93.5	94.5	95.8	97.5	-	99.2	99.5		99.7		99.9	100 • C
	60.1	89.5	91.7	92.2	93.5	94.5	95.8	97.5	98.5	99.2	99.5	99.5	99.7	799.7	177.9	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB HT/GREAT FALLS

6<del>8-77</del>

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES;						
(FECT)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1%	≥1%	≥1	≥ ¼	≥ ¾	≥%	≥ 5/16	≥'4	≥0
NO CEILING ≥ 20000	27.4 33.4	40.4 51.8	40.8 52.7	52.7	40.6 52.9	40.9 53.0	41.2	41.3 53.4	41.3 53.4	41.3 53.4	41.3 53.4	41.3 53.4	41.3 53.4	41.4 53.5	41.4 53.5	41.4 53.7
≥ 18000 ≥ 16000	33.5 33.5	51.9 51.9	52.8 52.8	52.8 52.8	53.0 53.0	53.1 53.1	53.4 53.4	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.5 53.5	53.7 53.7	53.7 53.7	53.8 53.8
≥ 14000 ≥ 12000	33.7 38.0	52.0 57.4	52,9 58.5	58.6	53.1 58.8	53.2 58.9	53.5 59.2	53.7 59.4	53.7 59.4	53.7 59.4	53.7 59.4	53.7 59.4	53.7 59.4	53.8 59.6	53.8 59.6	53.9 59.7
≥ 10000	45.8 46.3	67.7 68.6	68.9 69.8	69.0 69.9	69.2 70.1	69.4 70.2	69.7 70.5	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	70.0 70.9	70.0 70.9	70•2 71•1
≥ 8000 ≥ 7000 ≥ 6000	49.0 50.6	71.8	73.0 75.1	73.1	73.4 75.5	73.5 75.6	75.9	74.0 76.0	74.0 76.0	74.0 76.0	74.0 76.0	74.0 76.0	74.0	74.2 76.2	74.2 76.2	74.4 76.5
≥ 5000	52.2 53.5	75.5 77.5	76.7 78.8	76.8 78.9	77.1	77.2	77.5	77.7 80.1	77.7 80.1	77.7 80.1	77.7 80.1	77.7 80.1	77.7 80.1	78.0 80.3	78.0 80.3	78•2 80•5
≥ 4500 ≥ 4000 ≥ 3500	53.8 55.6	78.0 81.5	79.2 82.9	79.4 83.1	79.8 83.8	79.9 84.0	80.3	80.5 54.8	80.5 84.8	50.5 84.8	80.5 84.8	80.5 84.8	80.5	80 • 8 85 • 1	80.8 85.1	81.0 85.3
≥ 3000 ≥ 2500	55.0 56.7 57.1	82.2	83.5 84.9	83.8 85.2 86.2	84.6 86.1 87.4	84.8	85.4	35.7 \$7.4	85.7 87.4	85.7	85.7	85.7 87.5	85.7 87.5	85.9 87.7	85.9 87.7	86•1 £8•0
≥ 2000	57.6 58.1	85.4	86.0 87.5 88.0	87.7 88.2	85.1	87.8 89.7 90.1	88.5 90.4 90.9	89.0 91.1	89.0 91.1 91.6	89.0 91.2 91.7	89.1 91.3	89.1 91.3	99.1	89.4 91.5	89.4 91.5	89.6 91.7
≥ 1500 ≥ 1200	58.1 58.5	86.2 87.5	85.4 89.7	88.7	90.4 91.8	91.1	91.8	91.5 92.8 94.3	91.6 93.0 94.7	93.2	95.2	91.8 93.3 95.2	91.8 93.3 95.2	92.0 93.5 95.4	93.5 95.4	92•3 93•8 95•6
≥ 1000	58.5 58.6	87.5 87.7	89.7	90.0	92.4	92.9	93.7	94.7	95.3 95.7	95.6	95.7 96.2	95.7 96.2	95.7	95.9		96•1 96•7
≥ 800 ≥ 700 ≥ 600	58.7 58.7	88.0	90.1 90.1	90.4	92.6 92.6	93.4	94.2	95.6 95.7	96.2	97.0 97.2	97.1	97.2	97.2	97.4	97.4 97.8	97.6
≥ 500	58.7 58.7	88.0	90.1	90.4	92.6 92.6	93.5	94.5	96.0 96.1	96.3	98.0	98.4 98.7	98.5	98.6	98.8	98.8	99.0
≥ 400 ≥ 300 ≥ 200	58.7 58.7	88.0	90.1	90.4	92.6 92.9	93.5 93.9	94.5	96.1 96.5	97.0	98.3	98.7 99.1	98.8	98.9	99.1	99.1	99.5
≥ 100	58.7 58.7	88.0	90.2	90.8	92.9		94.8	96.5	97.3 97.3	98.7	99.1	99.2	99.4	99.6	99,7	100.0
≥ 0	58.7	88,0	90.2	90,8	92.9		94.5	96.5	97.3	98.7	99.1	99.2	99.4	99,6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_

930

USAF ETAC 101.64 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLE

## CEILING VERSUS VISIBILITY

HALMSTRUM AFR MT/GREAT FALLS 68-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			***				VIS	IBILITY (ST	ATUTE MIL	ES)		·····				
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ ?	≥1%	≥1¼`	≥1	≥ ¼ ~	≥ ¾	≥ ⅓	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	31.6 39.5	39.4 50.8	39,8 51.4	39.8 51.5	40.1 51.8	40.3	40.4 52.2	40.5 52.3	40.5 52.3	40.6	40.7 52.5	40.7 52.5	40.7	40.7 52.5	40.8 52.6	40.8 52.6
≥ 18000 ≥ 16000	39.7 39.7	50.9 51.0	51.5 51.6	51.6 51.6	52.0 52.0	52.2 52.2	52.3 52.4	52.4 52.5	52.5 52.5	52.6 52.6	52.6 52.7	52.6 52.7	52.6 52.7	52.7 52.7	52.7 52.8	52.8 52.8
≥ 11000 ≥ 12000	40.6	51.9 57.3	52.5 57.9	52.6 58.0	53.0 58.4	53.2 58.6	53.3 58.8	53.4 58.9	53.5 58.9	53.6 59.0	53.6 59.1	53.6 59.1	53.6 59.1	53.7 59.1	53.7 59.2	53.8 59.2
≥ 10000	54.5	66,8 68,1	67.5 68.8	67.6	69.4	69.6	68.5 69.8	68.6	70.0	77.1	68.8 70.1	70.1	68.8	68.8 70.2	68,9 70.3	69.0 70.3
≥ 8000 ≥ 7000	56.9 58.7	71.0	71.8	71.9	72.4 74.5	72.6	72.9	73.0 75.1	73.1 75.2	73.2	73.2	73.2	73.2 75.3	73.3	73.3 75.5	73.4
≥ 6000 ≥ 5000 ≥ 4500	61.8	74.9	75.8 78.1	75.9 78.2 79.0	76.4 78.8 79.7	76.7 79.1	76.9 79.4	77.1 79.6	79.6	79.7	79.8	77.3	77.3	77.3	77.4 79.9 80.8	77.5
≥ 4000	62.2 63.6	77.8 80.4 81.5	78,9 81.6 82.8	79.0 81.8	82.7 84.1	80.0 83.1	80.3 83.6 85.1	80.5 83.9 85.4	80.5 83.9	80.7 84.1 85.6	80.7 84.2 85.7	80.7 84.2 35.7	80.7 84.2 85.7	80.8 84.2 85.8	84.3 85.8	84.4
≥ 3000	64.6 64.8	82.5 83.0	84.1	84.4	85.8 86.6	86.3	87.Û 88.0	87.4 88.5	87.5	87.7	87.8	87.8 88.9	87.9 88.9	87.9 89.0	88.0 89.1	
≥ 2000	65.3	84.0	85.8	86.2	88.0 88.2	88.7	89.7	90.3	90.5	90.7	90.9 91.2	90.9	90.9 91.2	90.9	91.1	91.4
≥ 1500	65.6	84.6 85.3	86.7	87.1	89.1 90.0	89.9 90.8	91.0	91.9	92.2	92.6	92.7	92.8	92.8	94.3	93.0	93.5
≥ 1000	65.9	85.4	87.5	88.0	90.4	91.3	92.6	94.0	94.5	95.2	95.8	95.5	95.6	95.6	95.7	95.8
≥ 800	66.0	85.6 85.8	87.8	88.3 88.5	90.7	91.9	93.3	94.5	95.3 95.7	96.7	96.6	97.2	96.8	96.8	97.0 97.6	97.0
≥ 500	66.1	35.9 `A.o	88.0	88.5	91.0 91.1	92.0 92.1	93.5	95.3 95.5	96.0	97.6	97.7 98.2	97.9	98.1 98.7	98.7	98.3	98•4 99•0
≥ 400 ≥ 300 ≥ 200	66.2	86.7	88.2	88.7 80.8	91.3	92.2	93.7	95.8	96.5	97.8	98.7 98.7	98.8	99.0	99.1	99.4	99.4
≥ 100 ≥ 0	66.2	86.1	88.2	88.8	91.3	92.3	93.9 43.9	95.8	96.6	98.0	98.8	99.0	99.4	99.5		99.9
	66.2	86.1	88.2	88.8	91.3	92.3	93.9	95.8	96.6	98.1	98.8	99.1	99.4	99.5	77.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

## CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

FEB

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING	_						VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	≥1%	≥1	≥ 1,4	≥¾	≥ ½	≥ 5/16	≥ ¼	. ≥0
NO CEILING ≥ 20000	36.9 44.1	52.9 63.7	53.2 64.1	53.2 64.1	53.7 64.7	53.7 64.7	53.7	53.7 64.7	53.7 64.7	53.7 64.7	53.7 64.7	53.7 64.7	53.7 64.7	53.7 64.7	53.7 64.7	53.7
≥ 18000 ≥ 16000	44.1	63.	64.1	64.1	64.7	54.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7 64.7	64.7
≥ 14000 ≥ 12000	44.5 47.1	67.6	54.5 68.0	64.5 68.0	65.1 66.6	65,1 68,6	65.1 68.6	65.1 68.6	65.1 68.6	65.1 68.6	65.1 68.6	65.1 68.6	65.1	65.1	65,1 68,6	65 • 1 68 • 6
≥ 10000 ≥ 9000	52.3 52.8	74.6 75.1	75.0 75.6	75.0 75.6	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4	75.9 76.4
≥ 800\ ≥ 7000	54.9 55.8	77.4 79.2	77.9 79.6	77.9 79.6	78.7 80.4	78.7 80.4	78.7 80.4	78.7 80.4	78.7 80.4	78.7 80.4	78.7 80.4	78.7 80.4	78.7 80.4	78.7	78,7 80.4	78 • 7 80 • 4
≥ 6000 ≥ 5000	56.3 56.8	79.9 81.2	80,4 81.7	80.4	81.3 82.6	81.3 82.6	81.3 82.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3 82.7	81.3 82.7	81.3
≥ 4500 ≥ 4000	57.0 58.0	81.5 83.0	82.1 83.6	82.1 83.6	82.9 84.5	82.9 84.5	82.9 84.5	82.9 84.5	82.9 84.6	83,0 84,7	83.0 84.7	83.0 84.7	83.0	83.0	83,0 84,7	84.7
≥ 3500 ≥ 3000	58.5	84.9	84,9 85,9		85.7	85.7 87.0	85.7 87.0	85.7	85.9 87.2	86.0	86.0	86.0 87.3	86.0 87.3	86.0	86.0 87.3	86.0
≥ 2500 ≥ 2000	59.0 59.6	85.3	86.6 87.8		87.8 90.1	87.8 90.1	87.9 90.3	87.9 90.3	88.0 90.5	90.6	88.1 90.6	88.1 90.6	90.6	90.6	90.6	90.6
≥ 1800 ≥ 1500	59.7	86.3	88.0	88.1	90.5	90.6	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	
≥ 1200 ≥ 1000	60.5	88.6 88.8	90.3	91.0	93.2	93.6	94.0	94.1	94.2	94.3	94.3	95.3	94.3		94,3 95,3	
≥ 900 ≥ 800	60.7		90.8	91.2	93.9	94.5	94.9	95.3	95.5 95.5	95.6	95.6	95.6	95.6 95.6	95.6	95.6 95.6 96.0	95.6
≥ 700 ≥ 600	60.7		90.8	91.4	94.0	94.6	95.2 95.4	95.6	95.9 96.7	96.0 97.1	96.0	96.0 97.1	96.0 97.1 97.5	96.0 97.1	97.1 97.5	96.0 97.1 97.5
≥ 500 ≥ 400 ≥ 300	60.7		91.0 31.2 91.4	91.5 91.6 91.9	94.2	95.1 95.2	95.6 95.8	96.6 96.8	97.1 97.6 98.0	97.4 98.1 98.6	97.5 98.2 98.7	97.5 98.2 98.7	98.4	98.5	98.5	98.7
≥ 200	60.7	89,4	91.4	91.9	94.6 94.6	95.4 95.4	96.0 96.0		98.0	98.7	98.8	98.8	98.9	99.1	99.1	99.6
≥ 100	60.7	1 2 - 7		91.9		95.4 95.4	96.0 96.0			98.7	98.8	98.8		7 -	99,1	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

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24112 MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING		. , ,. <u></u>				•	VIS	IBILITY (ST.	ATUTE MIL	ES)	. ,					
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥ ¾	≥ ⅓	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	36.7 42.8	52.1 61.1	52,4 61.5	52.7 61.7	53.0 62.2	53.0 62.2	53.0 62.2	53.0 62.2	53.1 62.3	53.2 62.4	53.2 62.4	53.2 62.4	53.2 62.4	53.2 62.4	53.4 62.5	53.4 62.5
≥ 18000 ≥ 16000	43.0 43.0	61.4	61.7	62.0 62.0	62.4	62.4	62.4	62.4 62.4	62.5	62.7	62.7	62.7	62.7	62.7 62.7	62.8	62.8 62.8
≥ 14000 ≥ 12000	44.2	62,5	62.9	63.1 67.4	63.6 67.8	63.6	63.6 67.8	63.6 67.8	63.7 68.0	63.8 68.1	63.8	63.8 68.1	63.8	63.8 68.1	64.0 68.2	64.0 68.2
≥ 10000 ≥ 9000	52.4 52.8	72.8	73,1	73.4	73.9		73.9 74.9	73.9	74.0 75.0	74.1 75.1	74.1 75.1	74.1 75.1	74.1 75.1	74.1 75.1	74.2 75.3	74.2 75.3
≥ 8000 ≥ 7000	54.2 55.2	75.7 77.3	76.1 77.6	76.3 77.9	76.8 78.3	76.8 78.3	76.8 78.3	76.8 78.3	76.9 78.4	77.0 78.6	77.0 78.6	77.0	77.0	77.0	77,1	77.1 78.7
≥ 6000 ≥ 5000	55.7 56.9	78,4 80,2	78,8 80.6	79.0 80.8	79.5 81.3	79.5 81.3	79.5	79.5	79.6 81.4	79.7 81.5	79.7 81.5	79.7 81.5	79.7 81.5	79.7 81.5	79.9 81.6	79.9 81.6
≥ 4500 ≥ 4000	57.2 58.4	80.6 82.2	80.9	81.2	81.6	81.6 83.5	81.6 83.5	81.6	81.7	81.9 84.1	81.9	81.9 84.1	81.9	81.9	82.0	84.2
≥ 3500 ≥ 3000 ≥ 2500	59.2 59.8	83,5		84.2 85.2	84.3	84.8 85.7	84.8	85.2 86.1	85.3 86.2	85.4 86.3	85.4	85.4 86.3	85.4	85.4 86.3	85,5	86.5
≥ 2500 ≥ 2000 ≥ 1800	61.2	84.9 86.2 86.5	86,0 87,4 87,9	86.2 87.6 88.1	86.9 88.8	87.0 89.0	87.2	87.6 90.0	87.8 90.1	87.9 90.2 90.9	87.9 90.2	87.9 90.2 90.9	90.2	87.9 90.2	90.3	88.0 90.3
≥ 1500 ≥ 1200	62.2	88.2	89.8	90.0	91.4 92.3	92.0	90.1 92.5 93.5	90.7 93.1 94.1	90.8 93.2 94.2	93.4	90.9 93.4 94.5	93.4	90.9 93.4 94.5	90.9 93.4 94.5	91.0 93.5 94.6	
≥ 1000	62.7	89.6 89.6	91.6		93.3	93.9	94.7	95.3	95.4 95.4	95.8 95.8	95.8 95.8	95.8 95.8	95.8	95.8	95.9 95.9	95.9
≥ 800 ≥ 700	62.7	89.6 89.6	51.6	91.9	93.3	93.9	94.7	95.3	95.4 95.9	95.8		95.8		95.8	95.9 96.3	
≥ 600	62.7	89.6	91.8	92.0	93.6 93.8	94.5	95.2 95.4		96.2	96.6		96.6	96.6	96.6	96.7 97.5	96.7
≥ 400 ≥ 300	62.7	89.8 90.0	91.9	92.1	93.8	94.5	95.4 95.6	96.5	96.8	97.3 97.6	97.3	97.3	97.4 98.0	97.4	97.8	97.9
≥ 200	62.9	90,1	92.2	92.5	94.1	94.8	95.8	90.8	97.3	98.0	98.2	98.2	98.5	98.5	99.1	79.6
≥ 0		90,1		92.5			95.8			98.0		98.2			99.1	

TOTAL NUMBER OF OBSERVATIONS ...

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

## CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

FEB

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING				-			VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1½	≥1¼	≥₁	≥ ¾	≥ ¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	38.0 45.5	45.° 55.9	46.1 56.2	46.1 56.2	46.3 56.7	46.4 56.8	45.5 56.9	46.5 57.0	46.5 57.0	46.5 57.0	46.5 57.0	46.5 57.0	46.5 57.1	46.6 57.2	46.6	46.9 57.5
≥ 18000 ≥ 16000	45.5 45.5	55.9 55.9	56,2 56,2	56.2 56.2	56.7 56.7	56.8 56.8	56.9 56.9	57.0 57.0	57.0 57.0	57.0 57.0	57.0 57.0	57.0 57.0	57.1 57.1	57.2 57.2	57.2 57.2	57.5 57.5
≥ 14000 ≥ 12000	45.8 51.2	56.3 61.8	55.5 62.1	56.5 62.1	57.0 62.5	57.1 62.7	57.2 62.8	57.4 62.9	57.4	57.4 62.9	57.4 62.9	57.4 62.9	57.5 63.0	57.6 63.1	57.6 63.1	57.8 63.4
≥ 10000 ≥ 9000	59.6 60.5	71.6 72.7	71.8 73.0	71.8 73.0	72.4 73.6	72.6	72.7	72.8 74.0	72.8	72.8	72.8	72.8 74.0	72.9 74.1	73.0	73.0	73.3
≥ 8000 ≥ 7000	63.0	75 • 1 76 • 6	75.6 77.0	75.6 77.0	76.2 77.6	76.3	76.4 77.9	76.6 78.0	76.6 78.0	76.6 78.0	76.6 78.0	76.6	76.7 78.1	76.8 78.2	76.8 78.2	78.4
≥ 6000 ≥ 5000	65.1 66.5	77.6 79.2	78.1 79.6	78.1 79.6	78.7 80.2	78.8 80.3	78.9 80.4	79.0 80.6	79.0 80.6	79.0	79.0 80.6	79.0 80.6	79.2 80.7	79.3 80.8	79.3	79 • 5 81 • 0
≥ 4500 ≥ 4000	67.0 68.3	79.6 81.5	80.1 82.6	80.1 82.6	80.7 83.3	80.8 83.4	80.9 83.5	81.0 83.6	81.0 83.6	81.0 83.6	81.0 83.6	81.0 83.6	81,2 83.7	81.3	81.3 83.9	84-1
≥ 3500 ≥ 3000	68.9 69.3	84.0	84.3 85.3	84.3 85.3	85.0 86.1	85 • 2 86 • 2	85.3 86.5	85.4 86.6	85.4 86.6	85.4 86.6	85.4	85.4 86.6	85.5 86.7	85.6	85,6 86,8	87.0
≥ 2500 ≥ 2000	69.6 70.2	84.5 85.5	86.1	86.2	87.4 89.3	87.6 89.5	87.9 90.1	68.0 90.3	90.5	88.0 90.5	88.0 90.5	88.0 90.5	88.1 90.7	88.2 90.8	88.2 90.8	91.0
≥ 1800 ≥ 1500	70.2 70.8	85.7	88.0	88.2	89.8 91.5	90 • 1 92 • 1	90.8	91.0 93.2	91.3 93.4	91.3	91.3	91.3	91.5	91.6 93.8	93.8	91.9 94.0
≥ 1200 ≥ 1000	71.1 71.5	87.9 88.7	90.2	90.6	92.6	93.2	94.1 95.2	94.3	94.7 95.9	94.7	94.7	94.7	94.9	95.1	95.1 96.6	95.3
≥ 900	71.5	88,8		91.5	93,8	94,5	95.4	95.8	96.1	96.2	96.8	96.5	96.7	96.8	96.8	97.5
≥ 700 ≥ 600	71.7 71.7	89.0	91.5	91.9	94.0	94.7	96.0 96.0	96.3	96.7 96.8	96.8	96.9	97.1 97.2	97.4	97.5	97.4	97.8
≥ 500 ≥ 400	71.7	89.0 99.2	91.6	91,9	94.0	94.7	90.0	96.3	96.8	96.9	97.1 97.5	97.8	97.4 97.9	97.5	97.6	98.7
≥ 300 ≥ 200	71.7	89.2	91.6	92.0	94.5	95.2 95.2	96.7	97.2	97.6	97.9	98.0 98.0	98 • 1 98 • 1	98.4	98.6	98.7	99.5
≥ 100 ≥ 0	71.7	89.2	91.6	92.0 92.0	94.5	95.2	96.7 96.7	97.2 97.2	97.6 97.6	97.9	98.0 98.0	98.1 98.1	98.5 98.5	98.7 98.7	98.8	

TOTAL NUMBER OF OBSERVATIONS\_

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

FEB

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING			-				VIS	BILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥½	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	44.4 52.9	45.6	45,9 54,8	45.9 54.9	46.2 55.4	46,4 55.6	46.4 55.6	46.8 56.2	46.8 56.2	46.9 56.3	46.9 56.3	46.9 56.3	47.0 56.4	47.1 56.5	<del></del>	
≥ 18000 ≥ 16000	53.1 53.1	54.7 54.7	55.0 55.0	55.1 55.1	55.6 55.6	55.8 55.8	55.8 55.8	56.4 56.4	56.4 56.4	56.5 56.5	56.5 56.5	56.5 56.5	56.7 56.7	56.8 56.8	56.8 56.8	56.9 56.9
≥ 14000 ≥ 12000	55.6	57.1 62.3	57.5 62.8	57.6 62.9	58.2 63.5	58.4 63.7	58.5 63.8	59.1 64.4	59 • 1 64 • 4	59.2 64.5	59.2 64.5	59.2 64.5	59.4 64.7	59.5 64.8	59.5 64.8	59.6 64.9
≥ 10000 ≥ 9000	69.1 70.2	71.1	71.8	72.0 73.1	72.7	72.9 74.1	73.0 74.2	73.6 74.8	73.6 74.8	73.7 74.9	73.7	73.7	73.9 75.0	74.0 75.1	74.0 75.1	74.1
≥ 8000 ≥ 7000	72.7 73.9	74.8 76.2	75.6 77.0	75.7 77.4	76.4 78.1	76.7 78.3	76.8 78.4	77.4 79.0	77.4	77.5	77.5	77.5	77.6	77.7	77.7	77.9
≥ 6000 ≥ 5000	75.4 77.6	77.9 80.2	78.8 81.2	79.2	79.9 82.2	80.1 82.4	82.6	80.8	80.8 83.2	80.9	80.9	80.9	81.0 83.5	81.2 83.6	81.2	81.3
≥ 4500 ≥ 4000	78.1 79.5	80.7	81.6	82.0 84.3	82.7 85.4	82.9 85.6	83.Q 85.7	83.6	83.6 86.3	83.9 86.6	83.9 86.6	83.9 86.6	84.0	84.1	84.1	16.9
≥ 3500 ≥ 3000	80.4	84.1 84.7	85.2 85.7	85.5 86.1	86.8 87.5	87.0 88.2	87.2 88.3	87.8 88.9	87.8 88.9	88.0 89.2	88.0	88.0 89.2	88.1	88.2 89.5	88.2 89.5	8.3
≥ 2500 ≥ 2000	80.9	85.4	86.6	87.0 87.9	88.7	89.4 90.3	89.6 90.8	90.2	90.2 91.8	90.5	90.5 92.1	90.6	90.8	90.9	90.9	91.0
≥ 1800 ≥ 1500	81.6	86.3 86.3	87.6 87.9	88.1 88.3	89.9 90.5	90.6 91.5	91.0 92.0	91.8	92.0	92.2	92.3	92.5 93.8	92.7	92.8	92.8	92.9
≥ 1200 ≥ 1000	82.0 82.1	87.0 67.2	88.7	89.2 89.3	91.5	92.6	93.2 93.3	94.2	94.6	95.4	95.2 95.6	95.3	95.5	95.6	95.6	95.8
≥ 900	82.1 82.1	87.2 87.2	88.8	89.3	91.6	92.7	93.3	94.5	94.8	95,4	95.8	95.9	96.1	96.2	96.2	96.3
≥ 700 ≥ 600	82.1 82.2	87.2 87.3	88.8	89.3 89.4	91.8 91.9	92.8	93.5	94.7	95.1 95.3	95.8	96.7	96.6	96.9	97.9	97.2	98.0
≥ 50G ≥ 400	82.3 82.4	87.5 87.8	89.3	89.8 90.0		93.4	94.3	95.5	95.9	96.8	97.8	97.8 98.1	98.4	98.6	98.6	98.7
≥ 300 ≥ 200	82.4	87.9	89.6		92.8 92.8	93.9	94.8		96.3	97.4	98.0	98.4	98.9	99.2	99.3	99.5
≥ 100 ≥ 0	82.4	87.9 87.9		90.1	92.8	93.9 93.9	94.8		96.3 96.3	97.4	9 <b>8</b> • 0	98.4	98.9 98.9	99.2	99.3	100.0

TOTAL NUMBER OF ORSERVATIONS\_\_\_\_\_

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING				······································	,, , , , , , , , , , , , , , , , , , ,		VIS	IBILITY (ST	ATUTE MIL	ES)					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
(FEET-	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ⅓4	≥ ¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	45.8 57.1	47.6 59.4	48.5 60.3	48.5 60.3	48.9 61.0	49.1 61.2	49.1 61.2	49.1 61.2	49.1 61.2	49.1 61.2	49.1	49.1 61.2	49.1 61.2	49.1 61.2	49.1 61.2	49.1 61.2
≥ 18000 ≥ 16000	57.5 57.6	59.7 59.8	60.7 60.8	60.7	61.4 61.5	61.6 61.7	61.6	61.6 61.7	61.6	61.6	61.6 61.7	61.6 61.7	61.6	61.6	61.6	61.6
≥ 14000 ≥ 12000	59.2 64.4	67.1	62.7 68.1	62.7 68.1	63.4 68.5	63.6 69.0	69.0	63.6	69.0	69.0	69.0	69.0	63.6	63.6	63.6	63.6
≥ 10000 ≥ 9000	72.7	75.5 76.6	76.4 77.6	76.4	77.3	77.5	77.5 78.7	77.5 78.7	77.5 78.7	77.5 78.7	77.5	77.5 78.7	77.5	77.5	77.5	77.5
≥ 8000 ≥ 7000 ≥ 6000	76.4 77.6	79,6 80,9	80.7	80.7	81.5 83.0	81.7 83.4	81.7 83.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7 83.4 84.5	81.7
≥ 5000 ≥ 5000 ≥ 4500	78.6 80.4	82.0 84.0 84.5	83,2 85,3	83.3 85.4 85.9	84.1 86.2 86.7	84.5 86.6 87.0	84.5 86.6	84.5 86.6	84.5 86.6 87.0	84.5 86.6 87.0	84.5 86.6 87.0	84.5 86.6 87.0	84.5 86.6 87.0	84.5 86.6 87.0	86.6 87.0	84.5 86.6 87.0
≥ 4000 ≥ 3500	80.9 81.6 81.9	85.4	85.7 86.9 87.4	87.0 87.5	88.3 88.8	89.2	87.0 88.7 89.2	87.0 88.7 89.2	88.7	88.7	88.7 89.2	89.2	88.7	88.7 89.2	88.7	
≥ 3000	82.6 82.9	86.5 86.8	88.3	88.6	90.0	90.3			90.7			90.7	90.7	90.7	90.7	90.7
≥ 2000	83.2	87.4 87.4	89.8	90.0		92.7	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500 ≥ 1200	83.3 83.5	87.6 88.1	90.1	90.6	92.8	93.4	93.8	94.5	94.6	94.6	94.6	94.6	94.6	94.6 95.5	94.6 95.5	94.6
≥ 1000	83.9	88.6	91.2	91.6	94.0	94.6	94.9	95.8 96.1	96.6	96.2	96.3	96.5	96.6	96.6	96.6	96.6
≥ 800 ≥ 700 ≥ 600	84.0	88.7	91.3	91.8	94.7	94.8	96.0	96.2	96.7	97.1 98.0	97.2	97.3 98.2	97.4	97.4	97.4 98.4	97.4 98.4
≥ 500	84.3 84.3	89.2	92.0	92.5	94.9	95.6 96.0	96.2	97.2	97.8 98.4	98.4	98.5	98.6 99.3	98.7	98.7	98.7	98.7 99.4
≥ 400 ≥ 300 ≥ 300	84.3	89.3 89.3	92.2	92.8 92.8	95.4	96.1 96.2	96.8	97.8 98.0	98.5 98.7	99.2	99.3	99.4 99.6	99.5	99.5	99.5	99.5
≥ 200 ≥ 100 ≥ 0	84.3		92.2	92.8	95.5	96.2 96.2	96.8 96.8		98.7 98.7	99.4		99.6	99.8	99.9	100.0	100.0
≥ 0	84.3	89,3	92.2	92,8	95.5	96.2	96.8	98.0	98.7	99.4	99.5	99.6	99.8	99.9	100.0	100.0

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

### CEILING VERSUS VISIBILITY

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77 YEARS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥ı	≥ ¾	≥%	≥%	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	45.0 56.3	47.0 58.8	47,2 59,4		47.2 59.4											
≥ 18000 ≥ 16000	56.5 56.9	59.0 59.4	59,6 60.0	59.6 60.0	59.6 60.0	59.6	59.6 60.0	59.6 60.0	59.6	59.6 60.0	59.6 60.0	59.6 60.0	59.6	59.6 60.0	59.6 60.0	59.6 60.0
≥ 14000 ≥ 12000	58.4 63.3	60.9 65.7	61.5 66.3	61.5	61.5	61.5 66.3	61.5	61.5	61.5	61.5 66.3	61.5	61.5 66.3	61.5	61.5	61.5	61.5
≥ 10000 ≥ 9000	72.6	75.6	76,4	76.4	76.6 78.0	76.6	76.6	76.6 78.0	76.6 78.0							
≥ 8000 ≥ 7000 ≥ 6000	76.3	79.7 81.3	80.7	80.7	80.8	80 · 8 82 · 4	80.8	80.8	80.8	80.8 82.4	80.8 82.4 84.6	80.8 82.4	80.8	80.8 82.4 84.6	80.8 82.4 84.6	80.8
≥ 5000 ≥ 5000 ≥ 4500	79.6 82.3 82.4	83.3 86.0 86.3	84.2 87.0	84.3 87.2 87.5	84.6 87.4 87.8	84.6 87.4 87.8	84.6 87.4 87.8	84.6 87.4 87.8	84.6 87.4 87.8	84.6 87.4 87.8	87.4 87.8	84.6 87.4 87.8	84.6 87.4 87.8	87.4	84.6 87.4 87.8	84.6 87.4 87.8
≥ 4000 ≥ 3500	83.6	88.3 89.2	, , , .	89.6	89.9	7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000 ≥ 2500	84.9	89.9 91.2		91.2	91.5	91.6 93.4	91.6	92.0	92.0 93.8	92.0	92.1	92.1	92.1 93.9	92.1	92.1	92.1
≥ 2000	85.6	91.4	92.8	93.1	93.6	93.9	94.0	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	85.9 86.2	92.7	94.1	94.3	94.9	94.8	95.2 95.8	95.8	95.9 96.6	95.9 96.6	96.7	96.7	96.7	96.7	96.7	96.0
≥ 1000 ≥ 900 ≥ 800	86.5	93.2	94.7	94.9	95.5	96.6	96.5	97.2	97.3	97.9	98.0	97.4 98.0	98.0	98.0	98.0	98.0
≥ 700 ≥ 600	86.6 86.6	93,3 93,3 93,3	95.1 95.2 95.2	95.3 95.4 95.4	96.0 96.2 96.3	96.6 96.8 96.9	97.1 97.3 97.4	97.8 98.0 98.4	97.9 98.1 98.5	97.9 98.2 98.7	98.0 98.4 98.8	98.0 98.4 98.8	98.0 98.4 98.8	98.0 98.4 98.8	98.0 98.4 98.8	98.0 98.4 98.8
≥ 500 ≥ 400	86.6 86.6	93.3	95.2	95.4 95.4	96.3 96.3	97.1 97.1	97.5	98.5 98.5	98.7	99.1	99.2	99.2 99.4	99.3	99.3	99,3	99.3
≥ 300 ≥ 200	86.6	93.4	95.3 95.3	95.5 95.5	96.6 96.6	97.3 97.3	97.8 97.8	98.7	98.9	99.4	99.5 99.5	99.8 99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0	86.6 86.6	93.4 93.4	l '	95.5 95.5		97.3	97.8 97.8	98.7 98.7	98.9 98.9	99.4 99.4	99.5 99.5	99.9 99.9	r	00.0		1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC HOLD 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≩l	≥¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	41.9 48.4	52.9 62.8	52.9 62.8	52.9 62.9	52.9 62.9		52.9 62.9									
≥ 18000 ≥ 16000	48.5 48.5	62.9 63.0	62.9 63.0	63.0 63.1	63.0 63.1	63.0 63.1	63.0	63.0 63.1								
≥ 14000 ≥ 12000	49.2 53.1	63.7 68.2	63.7 68.2	63.8 68.3												
≥ 10000 ≥ 9000	61.0	77.7 78.2	78.0 78.4	78.1 78.6	78 • 1 78 • 6											
≥ 8000 ≥ 7000	62.9	80,2 82,4	80.4	80.6	80.7 92.9	8().7 82.9	80.7 82.9	80.7 82.9	80.7 82.9	80.7	80.7 82.9	80.7 82.9	80.7 82.9	80.7 82.9	80.7	82.9
≥ 6000 ≥ 5000	65.5 67.1	83.0 85.2	83,3 85,5	83.4 85.6	83.5 85.9	83.5	83.5	83.5 85.9	83.5 85.9	83.5	83.5 85.9	83 • 5 85 • 9	83.5	83.5 85.9	83.5 85.9	
≥ 4500 ≥ 4000 ≥ 3500	67.6	85.9 87.6	86.2	86.3	86.6 89.2	86.6	86.6	86.6 89.2	86.6	86.6	86.6 89.2	86.6 89.2	86.6	86.6 89.2	86.6	89.2
≥ 3000 ≥ 2500	69.8 70.0 70.2	88.9 89.5 90.2	90.0 90.7 91.4	90.9	90.6 91.5 92.5	90.6 91.5 92.5	90.6	90.6 91.5	90.6 91.5 92.5	90.6 91.5 92.5	90.6 91.5 92.5	90.6 91.5 92.5	90.6 91.5 92.5	90.6 91.5 92.5	90.6 91.5 92.5	91.5
≥ 2000	70.8 70.8	91.0 91.3	92.3	91.6 92.7 92.9	93.9 94.1	94.0	92.5 94.0 94.2	92.5 94.1 94.3	94.5	94.2	94.2	94.2	94.2	94.2 94.5	94.2	92.5 94.2 94.5
≥ 1800 ≥ 1500 ≥ 1200	70.8	92.0 92.5	93.6	94.0	95.3 95.8	94.2 95.5 96.0	95.5 96.0	95.9	96.0	96.1	96.1 96.9	96.1	96.1	96.1 96.9	96.1 96.9	96-1
≥ 1000	71.0 71.3	93.1	94.7	95.1 95.3	96.5	96.7	96.8	97.4 97.8	97.6	97.8 98.1	98.0 98.4	98.0 98.4	98.0 98.4	98.0	98.0 98.4	
≥ 800	71.3 71.5	93.3	94.9 95.2		96.7 97.1	97.1	97.2	97.9 98.4	98.2	98.4	98.6	98.6	98.6 99.1	98.6	98.6	98.6
≥ 600	71.5	93.5	95.2 95.4	95.5	97.1	97.5	97.6	98.5	98.8 99.2	98.9	99.3 99.8	99.3	99.3	99.3	99.3	99.3
≥ 400	71.5	93.9	95.5 95.5	95.9 95.9	97.6 97.6	98.1 98.1	98.2	99.1	99.4	99.5	100.0	00.0	00.0		00.0	
≥ 200 ≥ 100 ≥ 0	71.5	93,9 93,9	95.5 95.5		97.6 97.6	98.1 98.1	98.2 98.2	99.1 99.1	99.4	99.5	00.0	100.0 100.0	100.0			
≥ 0	71.5	93,9	95.5		97.6	±	98.2	99-1	99.4	99.5	00.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

849

USAF ETAC JUL 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	.ES)		•				
(FEE1)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	37.1	52•3 64•9	52.8 65.4	52.8 65.4	52.9 65.7	52.9 65.7	52.9 65.7	52.9 65.7	52.9 65.7	53.0 65.8	53.0 65.8	53.0 65.8	53.0 65.8	53.0 65.8	53.1	53•1 66•0
≥ 18000 ≥ 16000	45.5 45.5	64.9	65.4	65.4	65.7 65.7	65.7 65.7	65.7	65.7 65.7	65.7 65.7	65.8	65.8 65.8	65.8 65.8	65.8	65.8	66.0	66•0 66•0
≥ 14000 ≥ 12000	45.7 48.6	65.5 69.1	66.0 69.6	66.0	66.3 70.0	66.3	66.3	66.3	66.3	66.4 70.1	66.4	66.4 70.1	66.4	66.4	66.5	66.5
≥ 10000 ≥ 9000	53.8 54.3	75.9 76.8	76•3 77•3	76.3 77.3	76.7 77.6	76.7 77.6	76.7 77.6	76.7 77.6	76.7 77.6	76 • 8 77 • 7	76.8 77.7	76 • 8 77 • 7	76.8	76.8	76 9 77 9	76.9 77.9
≥ 8000 ≥ 7000	55.1 56.4	77.7	78.2 79.9	78.2 79.9	78.6 80.2	78.6 80.2	78.6	78.6 80.2	78.6	78.7	78.7 80.3	78.7	78.7	78.7 80.3	78.8 80.4	78.8 80.4
≥ 6000 ≥ 5000	56.4 57.1	80 • 0 81 • 3	80.4 81.9	80.4 81.9	80.9 82.3	80.9	86.9 82.3	80.9 82.3	80.9 82.3	81 • 0 82 • 4	81.0 82.4	81.0	81.0	81 • 0 82 • 4	81.2	81 • 2 82 • 6
≥ 4500 ≥ 4000	58.0 59.0	82 • 4 84 • 3	83.0 85.2	83 •0 85 •2	83.5 85.6	83.6 85.7	83.6	83.6 85.7	83.6 85.7	83.7 85.9	83.7 85.9	83 • 7 85 • 9	83.7 85.9	83 • 7 85 • 9	83.9 86.0	83.9 86.0
≥ 3500 ≥ 3000	59.4	85.0 86.3	86.0	86.0 87.3	86.5 88.0	86.6 88.2	86.6 88.2	86.6 88.2	86.6	86.7	86.7	86.7	86.7	86.7	86.8 88.5	86.8 88.5
≥ 2500 ≥ 2000	60 • 2 60 • 5	86 • 7 87 • 5	87.8 88.8		88 • 5 89 • 5	88 • 7 90 • 1	88 • 7	88 • 7 90 • 5	88 • 7 90 • 5	88 -8 9c -6	90.6	გმ •8 <u>9ე • ბ</u>	88 · 8 90 · 6	88 •8 90 •6	88.9 90.7	
≥ 1800 ≥ 1500	60 • 7 61 • 1	87.6 88.6	89.0 90.5	89.0 90.5	89 • 8 91 • 3	90.3 92.1	90.5	90 • 7 92 • 6	90.7	9() • 8 92 • 8	90.8 92.8	9() • 8 92 • 8	90 • 8 92 • 8	90 • 8 92 • 8	90 • 9 92 • 9	90.9
≥ 1200 ≥ 1000	61 • 2 61 • 5	39.0 89.6	91.0 91.6	91 •0 91 •8	92 •2 92 •9	93 • 2 94 • 1	93.8 95.1	94 • 1 95 • 5	94 • 1 95 • 3	94.5 95.9	94.5 96.1	94 • 5 96 • 1	94.5	94 • 5 96 • 1	94.6 96.2	94 • 6 96 • 2
≥ 900 ≥ 800	61.6 61.7	90 • 0 90 • 5	92 • 1 92 • 6	92.2 92.8	93.4	94.6	95.5 96.5	96 0 9 •1	96.0	96.3	96 • 6 97 • 6	96.5	96.6	96 • 6 97 • 6		96•7 97•8
≥ 700 ≥ 600	61.8 61.8	90 • 7 90 • 7	92.8 92.8	93 · 1 93 · 1	94.5	96.0 96.1	97.1 97.2	97.6	98.0	98 • 0 98 • 4	98.2 98.6	98 • 2 98 • 6	98.4	98.4 98.7		98•5 98•8
≥ 500 ≥ 400	61.8	90.9		93.4	94.9	96.5 96.5		98•4 98•4			98.9	98.9 99.1	99.1	99.1 99.2		99•2 99•3
≥ 300 ≥ 200	61.8	91.0 91.0	93.3		95 • 2 95 • 2	96.7 96.7		98.6 98.6	98.7 98.7	99.1	99.4	99.4	99.5	99.5		99•6 99•9
≥ 100 ≥ 0	61.8	91.0 91.0	93.3	93.5 93.5	95.2 95.2	96.7 96.7	97.8 97.8	98.7 98.7	98.8 98.8	99.2	99.5 99.5	99.5 99.5	99.6	99.6 99.6	99.8	00.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

			<del> </del>	<u></u>	·····		VIS	IBILITY (ST	ATUTE MILE		~				<del></del>	
CEIUNG FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥11/4	≥1	ين ≤	≥ %	≥ 'ז	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	40.7 49.1	49.5 60.1	49.9 60.5	49.9 60.6	50.1 61.0	50.2 61.1	50.2 61.1	50.3 61.2	50.3	50.3	50.3	50.3	50.3		50.4	-
≥ 18000 ≥ 16000	49.2	60.3	60.8	60.7	61.2	61.3	61.3		61.3	61.4	61.4	61.4	61.4	61.5	61.5	
≥ 14000 ≥ 12000	50.3 54.6	61.5 66.1	66.5	66.6	67.0	67.0	67.1	62.6	62.6	67.2	62.6 67.2	62.6	62.6	67.3	62.7	67.4
≥ 10000 ≥ 9000	61.7	74.4	74.9	74.9 75.9	75.4 76.4	75.5 76.5	75.5 76.5	75.6 76.6	75.6 76.6	75.7 76.7	75.7 76.7	75.7 76.7	75.7 76.7	75.7 76.7	75.8 76.8	75.8 76.8
≥ 8000 ≥ 7000	65.8	77,5 79.2	78.2 79.8	78.2 79.9	78.7 80.4	78.8 80.5	78.8 80.5		78.9 80.6		79.0 80.7	79.0 80.7	79.0 80.7	80.7	79.0	80.8
≥ 6000 ≥ 5000	68.1	82.1	80.9 82.8	81.0 83.0	81.6 83.5		83.6	83.7	81.8 83.7	81.8	81.8	81.8 83.8	81.8	83.9	81.9	83.9
≥ 4500 ≥ 4000	68.5	82.7	85,4	85.5	84.1	84.2			84.3	84.4 86.6	84.4		86.6		84.5	84.5
≥ 3500 ≥ 3000	70.3 70.7	86.3	87.4	87.5	87.4	87.5 88.6		87.7		89.0	87.8			89.1	87.9 89.1	89.ì
≥ 2500 ≥ 2000	71.6		89.2	89.5	90.9	91.2	91.5	91.9	90.1				90.2 92.1	92.2	90.3	92.2
≥ 1800 ≥ 1500	71.6 72.0 72.2	87.8 88.6 89.3	90.5	90.8	91.2 92.4 93.2	91.5 93.0 93.9		93.8	92.3 93.9 95.1		92.4 94.1 95.3	92.4 94.1 95.3	92.5 94.2 95.4	92.5 94.2 95.4	92.5 94.2 95.4	92.6 94.3 95.5
≥ 1200 ≥ 1000	72.5	89.8		92.1	93.9		95.2	95.8	96.0	96.2	96.3	96.4	96.5	96.5	96.5	
≥ 900 ≥ 800 > 700	72.6	2 2 4	92.1	92.4	94.2	94.9		96.3		96.8	96.9	97.0	_ • • •	97.1	97.1	97.1
≥ 600	72.7	90.2	92.3	92.6	94.6	95.4	96.4	97.0	97.3	97.6			98.0	,	9861	98.1
≥ 500 ≥ 400 ≥ 300	72.7	90.4	92.5	92.9	94.9	95.8	96.5	97.5	97.9 98.1		98.6	98.6	99.2	28.9	99.0	99.i
2 200 2 100	72.7		92.7	93.0	95.1	96.0	96.7	97.7	98.1	98.7	98.9	99.1	99.3		99.5	99.9
≥ 0	72.7	90.5	92.7	93.0	95.1		96.7	97.7	98.1	98.7	99.0	99.1	99.3	99.4	99.5	00.0

TOTAL NUMBER OF OBSERVATIONS

6797

## CEILING VERSUS VISIBILITY

24112

MALMSTPOM AFB MT/GREAT FALLS

68-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEILING			<del></del>	<del></del>	·····		vis	IBILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1 ½	≥1½	≥1	≥ 3,4	≥ %	≥ '7	≥5/16	≥'₄	≥0
NO CEILING ≥ 20000	34.2	49.9 60.5	49,9	49.9	50.0 60.6	50.1	50.1		50 × 1	50.1	, 7	50.1	50.2 60.9		50.2	50.2
≥ 18000 ≥ 16000	41.3	60.5 60.5	60.5	60.5 60.5	60.6 60.6	60.8	60.8	60.8	60.8	60.8	60.8	8.06 8.06	60.9	60 • 9	60.9	60.9
≥ 14000 ≥ 12000	42.3 45.1	64.9	61,5	65.1	61.6	65.3	61.7	_ v ~ v =		61.7	61.7	61.7 65.3	61.8	65.4	65.4	61.8
≥ 10000 ≥ 9000 ≥ 8000	50.0 50.6 52.5	71.8	71,2 71.9 74.2	71.2 71.9 74.2	71.3 72.0 74.3	71.4 72.2 74.4	71.4	72.2		71.4	72.2	71.4	71.5	72.3	71.5	71.5 72.3
≥ 8000 ≥ 7000 ≥ 6000	53.2	74.9	75.1	75.1 76.2	75.2	75.3 76.5	74.4 75.3 76.5	75.3	75.3	74.4 75.3 76.5	75.3	75.3	74.5 75.4	75.4		74.5
≥ 5000 ≥ 4500	55.3 55.8	78.0	78.1 79.2	78.1 79.2	78.2	78.3	78.3 79.5	78.3	78.3	78.3 79.5	78.3	76.5 79.3 79.5	78.4	78.4	78.4	76.6 78.4 79.6
≥ 4000 ≥ 3500	58.4 59.5	82.4 84.5	82.6	82.6	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0 85.4	83.1	83.1	83.1	83.1 85.5
≥ 3000 ≥ 2500	60.4	85.9	86.5 87.5	86.5 87.7	86.9	88.6	87.2	87.2	87.3	,	87.3	1	87.4	87.4	87.4	87.4
≥ 2000 ≥ 1800 ≥ 1500	60.4	87.3 87.6	88.6	89.0	90.1	90.8	91.2		91.3		91.0 91.6		91.1 91.7		91.7	91.7
≥ 1500 ≤ 1200 ≥ 1000	60.8	88.4 88.4 88.5	89.5	89.9 90.1	91.3		92.8		93.2		93.7	93.7		93.8	93.8	93.8
≥ 900 ≥ 800	60.8 60.8	88.5	89.8 89.8 90.2	90.3 90.9	91.6	92.6		94.5	94.9	95.4	95.5	95.2 95.5 96.3	95.3 95.6 96.5	95.6	95.6	
≥ /00 ≥ 600	60.8	88.9	90.2	90.9	92.3		94.8	95.3		96.3			96.7	96.8	96.8	96.8
≥ 500 ≥ 400	60.9 60.9	89.4 89.4	90.6 90.6	91.3	92.8 92.8	93.9 93.9	95.6 95.7	96.5	97.1	97.7	98.0 98.1	98.0			98.2	
≥ 300 ≥ 200	60.9			91.5	93.2	94.5	96.3	96.7 97.2	97·3 97·8	98.0 98.5	98.2 98.7	98.2 98.7		98.4 99.0	98.4 99.2	98.5
≥ 100 ≥ 0	60.9	- 5 . 7 3	90.6	91.5 91.5				97.4			99.1	99.1	99.2 99.2	3 1 7 7	1 1 2 1	

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLU

## CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS

68-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING		VISIBILITY (STATUTE MILES)														
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ 1,4	≥'•	≥ '2	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	32.6 42.4	59.1	59,2	59.2	59.6			49.7 59.6	49.7 59.6	49.7 59.6	49.7 59.6	49.7 59.6	49.7 59.6			
≥ 18000 ≥ 15000	42.4	59.6		59.7	60.0			59.7 60.0	59.7 60.0	59.7 60.0	59.7	59.7 60.0	59.7 60.0	59.8 60.1	60.0	•••
≥ 14000 ≥ 12000	43.0 45.8	63.2		63.3		63.7		60.6 63.7	60.6		60.6	60.6 63.7	60.6		1	61.0
≥ 10000 ≥ 9000	51.5	70.5	70.6		70.3 71.1	71.1	70.3 71.1	70.3 71.1	70.3 71.1	70.3 71.1	70.3 71.1	70.3 71.1	71.1	70.4 71.2	1	70.6 71.4
≥ 8000 ≥ 7000	52.6 53.1	72.5	73.5	73.7	74.0	74.0	74.0	73.0 74.0	74.0		74.0		74.0	74.1	73.3 74.3	73.3 74.3
≥ 6000 ≥ 5000	54.7 56.0	77.0	77,2	77.3	77.6	77.6	77.6	75.9 77.6	77.6					77.7	78.0	78.0
≥ 4500 ≥ 4000	56.5 58.5 59.4	81.5 82.9	78.5 81.9 83.3	78.6 82.0		87.7	82.8	78.9 82.8	82.8		82.8				83.1	83.1
≥ 3500 ≥ 3000	60.2	84.5	85.1 85.7	85.3	84.1 85.8		86.3	84.5	86.3	84.5		84.5			86,8	36.8
≥ 2500 ≥ 2000	60.8	86.9	87.8	88.2	88.7	89.1	89.2	87.2 89.7		87.2 89.7	87.2 89.7	87.2 89.7		89.9	90.1	90.1
≥ 1800 ≥ 1500	61.1	88.0	89.0 89.1				89.9 91.2 91.8	90.3 91.7 92.7	1	91.8	91.8	91.8			92.3	92.3
≥ 1000	61.5	88.7	89.8	90,3	92.0		92.8	93.8		94.2	93.0	94.3	93.1	93.2	94.7	94.7
≥ 900 ≥ 800 ≥ 700	61.5	88.7	89.8 90.0				93.2	94.5	94.8	95.1 95.6	94.8 95.4 95.9	94.9 95.5 96.0	95.1 95.6 96.1	95.7	95.9	95.9
≥ 600 ≥ 500	61.5	89.4	90.9	91.4	93.3	94.0	94.4	95.8	96.1 96.6	96.7	97.0	97.1 97.5	97.2	96,2 97.3 97.7	97.5	97.5
≥ 400	61.6	89.7 89.8	90.9	91.8	93.9	94.6	95.2	96.6	96.9		98.0			98.3 98.7	98.7	98.9
≥ 100	61.6	89.8 89.8		91.9	94.1		95.5	97.1	97.4	98.0	98.5	98.6	98.7		99.2	99.6
≥ 0	61.6	89.8	91.0	91.9	94.1	94.9		,	97.6			99.0	99.1	99.2		00.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE CHISOLETE

## **CEILING VERSUS VISIBILITY**

24112

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MALMSTROM AFB MT/GREAT FALLS

68-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET							VISI	BILITY (STA	ATUTE MILI	ES)						
	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1½	≥1%	≥1	≥ 1,4	≥,•	در ≥	≥5 16	≥′4	≥0
NO CEILING ≥ 20000	46.3 54.6	49.0 58.1	49.4 58.4		49.5 58.7	49.6 58.8	49.7 58.9	49.7 58.9	49.7 58.9	49.7 58.9	49.6 59.0	49.8 59.0	49.9 59.1	50.0 59.2	59.2	59.2
≥ 18000 ≥ 16000	54.9 55.7	58.4 59.2	58.7 59.6	58.7 59.6	59.0 59.9	59.1 60.0	59.2 60.1	59.2 60.1	59.2 60.1	59.2 60.1	59.4 60.2	59.4 60.2	59.5 60.3	59.6 60.4	59.6 60.4	59.6 60.4
≥ 14000 ≥ 12000	56.5 59.0	60.0	63.0	60.3	63.3	60.8	63.5	63.5	60.9	63.5	61.0	61.0	61.1	61.2	61.2	1031
≥ 10000 ≥ 9000	67.4	69.9 71.3	70.2	70.2	70.5	70.6 72.0	70.9 72.3	70.9 72.3	70.9 72.3	70.9 72.3	71.0	71.0	71.1	71.2	71.3	71.3 72.7
≥ 8000 ≥ 7000	70.6	76.1	74.8 76.5	76.5		75.3 76.9	75.5 77.1	75.5 77.1	75.5 77.1	75.5 77.1	75.6 77.2	75.6	75.7	75.8	75.9 77.5	77.5
≥ 6000 ≥ 5000	73.3 74.7 75.4	79.1	77,8 79,5	77.8 79.5 80.9		78.3 79.9	78.5 80.1	80.1	78.5 80.1	78.5 80.2	78.6 80.3	78.6	78.7 80.4	78.8 80.5	78.9 80.6	80.6
≥ 4500 ≥ 4000 ≥ 3500	76.9 77.6	82.2	82.7	82.7	83.0	83.1	81.5		81.5 83.9 85.3	81.6 84.0 85.4	81.7 84.1 85.5	81.7 84.1 85.5	81.8 84.2 85.6	81.9 84.3 85.7	82.0 84.4 85.8	84.4
≥ 3500 ≥ 3000 ≥ 2500	78.0 78.3	83.4	84.3 85.4	84.5		85.3 86.5	85.3 86.0 87.2	86.0 87.2	86.0 87.2	86.1 87.3	86.2 87.4	86.2 87.4	86.3 87.5	86.5	86.6	86.6
≥ 2000	78.6	85.7	86.7	87.0 87.6	87.6	88.1	88.9	89.0 89.7		89.1 89.8	89.2 89.9	89.2	89.4 90.0	89.5	89.6 90.2	89.6
≥ 1500	78.8 79.1	86.8	87.3	87.6	88.4	88.8		89.9	89.9 91.0	90.2	90.3 91.4	90.3 91.4	90.4	90.5	90.6	
≥ 1000	79.2	87.2	88.3	88.7	89.6	90.1 90.2	91.4	91.7	91.9	92.4	92.5	92.5	92.9	93.0	93.1	93.1
≥ 800	79.4	87.4	88.5	88.9	89.8	90.3	91.8	92.3	92.7	93.3	93.7	94.4	94.3	94.4	94.7	94.7
≥ 600	79.6	87.7	88.9	89.8	90.9	91.6		93.7	94.4	94.7	95.2 95.5	95.2	96.6	96.1	96.5	96.7
≥ 400	79.7	85.0 88.1	89,1	90.0 90.1		91.9	93.8	94.7	94.7	95.6	96.5		97.8	97.4	97.8	98.2 98.8
≥ 200	79.8	88.2	89.4	90.2	91.6	92.4	94.2	94.8 95.1	95.3 95.6	96.8	96.8 97.2	97.4	98.7	98.8	98.9	99.5
≥ 0	79.8	88.2	89.4	90.2	91.6	92.4	94.2	95.1	95.7	96.9	97.3	97.5	98.8	98.9	99.5	100-ó

TOTAL NUMBER OF OBSERVATIONS

03

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

## CEILING VERSUS VISIBILITY

24112

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MALMSTROM AFB MT/GREAT FALLS

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥11/4	≥1	≥ ⊹₄	≥,•	בי ≤	≥5 16	≥ '.	≥0
NO CEILING ≥ 20000	50.6	51.8 62.5		52.3 62.9	52.4 63.3		52.7 63.7	52.7	52.7 63.7	52.7 63.7	52.7 63.7	52.7 63.7	52.7 63.7	52.7 63.7	52.7 63.7	52.7
≥ 18000 ≥ 16000	61.5	63.0	63.2	63.4		. ; -	64.2	64.1	64.1	64.2	64.2	64.1	64.1	64.1	64.1	64.2
≥ 14000 ≥ 12000	63.0 66.1	67.5	67.7	64.8		65.6	65.6 68.7			65.6 68.7	65.6	65.6	65.6			
≥ 10000 ≥ 9000	72.6 73.3	74.9	74.4 75.2	74.6 75.4	75.1 75.8	75.4 76.1	75.4 76.1	75.4 76.1	75.4 76.1	75.4 76.1	75.4 76.1	75.4 76.1	75.4 76.1	75.4 75.1		
≥ 8000 ≥ 7000	75.3 76.0	76.9 77.6	77.1 77.8	77.3 78.1	77.8 78.6	78.2	78.2		78.2	78.2		78.2	78.2 78.9	78.2	78.2	78 . 2
≥ 6000 ≥ 5000	77.2 78.7	78.8 80.4	79.0 80.6	79.2 80.9	79.8 81.4		80.1	80.1	80.1	80.1	80.1	80-1	80.1	80.1	80.1	80.1
≥ 4500 ≥ 4000	79.0 80.6	81.0 83.0	81.2 83.3	81.4 83.7	82.0 84.3	82.4 84.6	82.5 84.7				82.5 84.8	82.5 84.8	82.5	82.5	82.5	82.5
≥ 3500 ≥ 3000	80.8	83.1 84.1	83.4 84.5	83.9 84.9	84.6 85.7	84.9 86.0	~	85.2 85.5	85.2	85.2	85.3 86.6	85.3	85.4		85.4	85.4
≥ 2500 ≥ 2000	82.4 82.9	85.5 86.7	85.9 87.1	86.6 87.7	87.3 88.6	88.9		88.3 89.7	88.3 89.7	88.3	88.4	88.4	88.6	86.6	88.6	88 . 6
≥ 1800 ≥ 1500	82.9	87.0 87.4	87.4 88.1	88.8		90.0		90.0 91.1	90·2 91·4		90.4 91.6		90.6 91.8			
≥ 1200 ≥ 1000	82.8 84.0	88.8	89.6			92.0			1		93.7 94.8	93.7 94.9	93.9 95.3	94.0 95.4		
≥ 900 ≥ 800	84.0 84.1	89.0		90.9	91.8 92.0	92.7	93.1 93.4	93.9 94.2	, ,, - 1	95.1 95.6	95.5 96.1	95.6 96.2	95.9 96.6	96.0 96.7		
≥ /00 ≥ 600	84.1 84.1	89.0	90.0	91.0		92.9		94.7	95.7 95.9		96.9 97.2		97.3 97.7	97.4 97.8		97.4 98.2
≥ 500 ≥ 400	84.1 84.1	89.0 89.0		91.0	92.4 92.4	93.0 93.0	94.1	95.3 95.4	96.5		97.7 98.1	98.0 98.3	98.3 98.6	98.4 98.7	98.8	98 • 7 99 • 0
≥ 300 ≥ 200	84.1 84.1	89.1	90.1		92.6	93.2		95.6 95.7	96.7 96.8		98.4 98.5	98.6 98.7	99.0 99.1	99.2 99.4	99.7	99.9
≥ 100 ≥ 0	84.1	89.1 89.1	90.1			93.2 93.2		95.8 95.8		97.7 97.7	98.6 98.6	98 • 8 98 • 8	99.2 99.2	99.5 99.5		

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 of 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOL

DATA PROCESSING BRANCH W. A TAC

## CEILING VERSUS VISIBILITY

MALMSTRUM AFB HT/GREAT FALLS 68-77

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PERCENTAGE FREQUE: NCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

	VISIBILITY (STATUTE MILES)															
CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥21/2	≥ 2	≥1½	≥1¼	≥1	≥ 14	≥ '•	≥ '5	≥5 16	>	≥0
NO CEILING ≥ 20000	46.0	47.5	47.6	48.1 59.8	48.1	48.1 59.8			48.1	48.1	48.1	48.1	48.1	48.1	46 50.4	+8 • 1 59 • 9
≥ 18000 ≥ 16000	58.0 58.4	59.9	60.2	60.6	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8		60.8
≥ 14000 ≥ 12000	59.6	61.5	61.8	62.3	62.3	62.3	62.4		62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000 ≥ 9000	70.0 71.1	72.0	72.4	72.8	72.8	72.8	72.9	72.9	72.9 74.0	72.9 74.0	72.9	72.9	72.9	72.9	72.9	72.9 74.0
≥ 800C ≥ 7000	72.7 73.1	74.8 75.3	75.2 75.6	75.6	75.6 76.0	75.6 76.0	75.7 76.1	76.1		75.1 76.1	75.7 76.1	75.7 76.1	75.7	75.7 76.1	75.7	75.7 76.1
≥ 6000 ≥ 5000	74.4 78.4	76.6 80.6	76.9 81.0	81.4	77.3 81.4	77.3	77.4	81.7	8: . 7	77.4 81.7	77.A	77.4	77.4	77.4	77.4	77.4 81.7
≥ 4500 ≥ 4000	79.6	81.8	82.2	85.2	95.4	85.6		85.8	85.8	85.9	82.9 85.9		85.9	85.9		.05
≥ 3500 ≥ 3000	81.9	84.3	84,9	86.5	86.7	85.9 87.0	87.2	87.3	87.3	87.4	86.3	86.3	86.5		87.5	87.5
≥ 2500 ≥ 2000	52.8 83.5	86.2 87.6	87.2 89.8					90.2	90.2	90.3	90.3	88.7 90,3		90.4	30.4	90.4
≥ 1500	84.1 84.8	88.3 89.2	89.7 90.8		90.4	92.2	92.6	92.8	92.8	92.9	92.9	92.9				93.0
≥ 1200 ≥ 1000 ≥ 900	85.3	91.0	91.5 92.6 92.6	93.1	92.8 94.0 94.1		94.7	94.9	95.2		96.0	96.1	94.4 96.2 97.2	94.4 9 <u>6.2</u> 97.2	94.4 96.2 97.2	94.4 96.2 97.2
≥ 900 ≥ 800 ≥ 700	85.5 85.5	91.3	92.9	93.5	94.5		95.4	96.0	96.3	97.2	97.6	97.8	98.2	98.2	98.2	98.2
2 700 2 500	85.5	91.3	92.9		94.5	94.8	95.4	96.0	96.3	97.4	98.0		98.9	98.9		98.9
≥ 400	85.5	91.3	92.9	93.5	94.5	94.8	95.5	96.1	96.5	97.5	98.1	98.5	99.1	99.1	99.1	99.1
≥ 200	35.6	71.4 91.4	93.0 93.0		94.6	94.9	95.6	96.2	96.6	97.7	98.4	98.8	99.5	99.5		99.8
≥ 0	85.0	91.4		93.7	94.6	94.9	95.6		96.6		98.5	98.9	99.6		100.0	

TOTAL NUMBER OF OBSERVATIONS

UCAF ETAC 101 64 0 14-5 (Ot. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

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MALMSTROM AFB MT/GREAT FALLS

68-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEMING							VIS	BILITY (STA	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥1	≥ 3,4	≥'•	≥ ' 7	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	41.0 53.5		41,8 55.1	41.8 55.2	55.5	42.2 55.5		42.2 55.5	42·2 55·5	55.5	42.2 55.5	42.2 55.5		55.5	42.2 55.5	
00081 ≤	53.8 53.8	- ,	55.3 55.3	' '		55.7 55.7	55.7 55.7	55.7 55.7	55.7 55.7		55.7 55.7	55.7 55.7	55.7 55.7	55.7 55.7	55.7 55.7	55.7 55.7
≥ 14000 ≥ 12000	55.1 61.0	7 _ 7 7 1	56.6	T T . I		57.0 62.9		57.0 62.9	57.0 62.9	62.9	52.9	57.0 62.9			57.0 62.9	-
≥ 10000 ≥ 9000	68.3	69.7 70.1	70.1	70.2 70.6	70.5 71.0	70.5 71.0	70.5 71.0		71.0	71.1	71.1	71.1	71.1	71.1	70.5	71.1
≥ 8000 ≥ 7000	70.9 71.2	72.6 72.9	73.0 73.3	73.1 73.4	73.4 73.8	73.4 73.8	73.4 73.8			73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000 ≥ 5000	73.0 77.5	74.7 79.2	75.2 79.7	75.3 79.8		75.6 80.2	75.6 80.2	80.2	75.6 80.2	80.3	75.7 80.3	75.7 80.3	80.3	80.3		75.7
≥ 4500 ≥ 4000	79.2 82.4	81.0 84.3	81.5 84.9	81.6 85.2	85.8	82.2 85.9	82.2 85.9	86.0		86.2	86.2	82.3 86.2	86.2	86.2	86.7	86.2
≥ 3500 ≥ 3000	83.4	86.2	86.2	86.5 87.4		87.2 88.2	87.2 88.2		88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500 ≥ 2000	84.8	89.0		90.3		91.1	89.7 91.1	89.8 91.2	91.4	91.5	90.0	91.5	91.5	91.5	91,5	91.5
≥ 1800 ≥ 1500	85.9	7		91.7	91.5	91.7		93.0	93.3	93.4	92.3 93.4 95.2	92.3 93.5 95.3	93.5	93.5	93.5	93.5
≥ 1200 ≥ 1000	86.7	91.4	92.7	92.9		94.6	94.9	95.5	95.9	97.0		97.3	97.3	97.3	97,3	97.3
≥ 900 ≥ 800	86.7	91.5	92.7 92.8 92.9	93.3 93.4 93.5	94.6	94.6 94.8 94.9	95.4	96.0		I '		98.3	98.3	98.3	98,3	98.3
≥ 700 ≥ 600	86.8	91.6	92.9	93.5	94.7	94.9	95.5	96.1	96.9	98.4	98.6	99.0	99.2	99.2	99.2	99.2
≥ 500 ≥ 400	86.8	91.6	92.9	93.5	94.7	94.9	95.5	96.1	96.9	98.4	98.6		99.2		99.4	99.4
≥ 3c0 ≥ 200 > 100	86.8	91.6	92.9	93.5	94.7	94.9	95.5	96.2	97.0	98.7	98.9	99.4	99.6	99.6	99,8	1 * 1
≥ 100 ≥ 0	86.8	1 3 7 1 1	1	1	94.7	1				1	98.9		1 4 4 4		حاكما	l * * 1

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC JU 04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

MAK

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_<u>1800=200</u>0

CEILING							VISI	BILITY (STA	TUTE MILE	ES)						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≳2%	≥ 2	≥11/2	≥1%	≥1	≥ ¼	≥ >/₀	≥ ⅓	≥ 5/16	≥ ,₄	≥0
NO CEILING ≥ 20000	35.9 44.3	43.7 53.3	43.9	44.1 53.9	44.1 53.9	44.1 53.9	44.1 53.9	44.1	44.1	44.1 53.9	44.1 53.9	44.1	44.1	44.1	44.1 53.9	44.1
≥ 18000 ≥ 16000	44.4	53.4 53.8	53.7 54.0	54.0 54.3	54.0 54.3	54.0 54.3	54.0 54.3	54.0 54.3	54.0 54.3	54.0 54.3	54.0 54.3	54.0 54.3	54.0	54.0 54.3	54.0 54.3	54.0
≥ 14000 ≥ 12000	46.1 50.9	55.3	55,5	55.8 61.0	55.8 61.0	55.8 61.0	55.8	55.8 61.0	55.8	55.8 61.0	55.8	55.8	55.8 61.0	55.8 _61.0	55.8	55.8
≥ 10000 ≥ 9000	58.9 59.9	69.4 70.8	71.0	69.9 71.3	69.9 71.3	69.9 71.3	69.9	69.9 71.3	69.9 71.3	69.9 71.3	69.9	69.9 71.3	69.9 -71.3	69.9	69.9 71.3	69.9
≥ 8000 ≥ 7000	62.0	73.3	73.5	73.9 75.3	73.9 75.3	73.9	73.9	72.9 25.3	73.9	73.9 <u>75.3</u>	73.9 75.3	73.9 75.3	73.9 75.3	73.9 75.3	75.3	73.9 75.3
≥ 6000 ≥ 5000	67.8	76.0	80.2	76.6 80.5	76.6 80.5	76.6	76.6 80.5	76.6 80.5	76.6	76.6 80.5	76.6	76.6	76.6	80.5	80.5	76.6
≥ 4500 ≥ 4000	69.5 71.8	81.7	82.0	82.4 85.5	82.4 85.6			82.4 85.6	82.4	85.6		82.4 85.6	82.4	85.6	82.4 85.6	82.4
≥ 3500 ≥ 3000	72.8 73.7 74.2	85.7 86.9 88.0	86.3 87.8		86.8	88.3		86.8 88.5	86.8	88.6	88.7	88.7	86.9 88.7	88.7	88.7	86.9
≥ 2500 ≥ 2000 ≥ 1800	75.4 75.6	89.8	91.3	89.5 91.6 92.2	89.6 91.8 92.4			89.9 92.4	89.9 92.5					92.6	92.6	90.0
≥ 1500 ≥ 1500	75.7	90.5	92.3		93.0	92.4 93.2 93.5	92.9		93.1	93.2	93.3	93.3	93.3	94.5	93.3	93.3
≥ 1000	76.0 76.0	91.6 91.8	93.4		94.3	94.6	94.3 95.6 95.9	94.6 95.9 96.2	94.9 96.2 96.5	95.1 97.0 97.3	95.2 97.1 97.4	95.2	95.2 97.2	97.2	97.2	95.2
≥ 800 ≥ 700	76.0 76.0	92.2	94.1	94.5	94.9			96.7 97.0	97.0 97.3		97.8 98.2	97.4 97.8 98.4	97.5 98.0 98.9	98.0		97.5
≥ 600	76.0	,	94.2	94.6	95.2	95.5 95.5	96.7	97.0 97.0	97.3 97.3	98.1 98.1	98.4 98.4	98.6 98.6	99.2	99.2	99.2	98.9
≥ 400	76.0	92.2	94.2	94.6	95.2	95.5			97.3	98.1 98.1	98.4	98.6	99.4	99.4	99.4	99.4
≥ 200	76.0	92.2	94.2	94.6	95.2 95.2	95.5	96.9		97.5	98.3	98.7	98.9	99.7	99.7	79.7	100-0
≥ 0	76.0			94.6	95.2	95.5	96.9				98.7	98.9	99.7		99.8	

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM APS OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

<del></del> 7																
CEILING							VIS	IBILITY (STA	ATUTE MILE	ES)				<del>_</del>	<del></del>	
FEET.	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1½	≥11/4	≥١	≥ ⅓4	≥,•	≥ '7	≥5 16	2.	≥0
NO CEILING	35.1	51.0	51.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	42.5	61.4	61.8	61.9	62.2	42.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62,2	62.2
≥ 18000	42.6	61.5	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 16000	42.6	61.5	61,9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 14000	43.4	62.4	52.8	62.9	63.1	63.1	53.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63,1	63.1
≥ 12000	47.3	67.2	67,6	67.7	68.n	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	58.0	68.0
≥ 10000	51.2	71.9	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	52.0	73.1	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73,9	73.9
≥ 8000	54.2	76,1	76,6	76.8	77.0	77.0	77.0		,				77.0	77.0		77.0
≥ 7000	55.1	77.3	77.7	78.0	78.2	78.2	78.2		78.2	78.2	78.2	78.5	78.2	78.2	78.2	78.2
≥ 6000	55.8	78.5	78.9	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79 • 4	79,4	79 • 4
≥ 5000	57.2	81,5	82.0	82.3	82.5	82.5	82.5		82.5		82.5		82.5	82.5		
≥ 4500	57.8	82.4	82,9	83.1	83.3	83.3	83.3		83.3	83.3	83.3	83.3	83.3	83.3	83.	
≥ 4000	59.4	84.6		85.7	86.0						86.0	86.0				86.0
≥ 3500	59.8	85.5	86.6	_	87.2	87.2	87.2		87.2	87.2	87.2		87.2	87.2	87.2	
≥ 3000	60.5	86.9	88.0		88.6	88.7	88.7		88.9		88.9			88.9	88.9	
≥ 2500	61.1	87.5	89,5	1	90.3	90.4			90.8		90.8		90.8	90.8	90.8	
≥ 2000	61.4	88.4	90.6		91.7	92.0			92.6		92.7					92.7
≥ 1800	61.5	88.7	91.0		92.0	92.4	92.4						. • • -		93.0	
≥ 1500	61.5	89.4	91.8	92.0	93.0	93.4	93.4	94.0			94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	61.7	90.4	92.9		94.3	94.7	94.7	55.4	95.4	95.5	1		95.5	95.5	95.5	95.5 97.0
≥ 1006	61.7	90.8		93.9	95.2	95.6	95.8	96.7	96.7		97.0			97.0		
≥ 900 ≥ 800	61.7	90.8	1	93.9	95.2	95.6			96.7		97.1	97.1 97.6	97.3 97.8			97.8
	61.7	90.8	93.5	93.9		95.7	96.0		97.4		98.1	98.1	98.3			
≥ 700	61.7	91.0		94.1	95.4	95.9					. • • •	98.5	99.0			99.0
	61.7	91.0	93.8	94.1	95.5	96.0					98.5		99.5			99.5
≥ 500 ≥ 400	1 7 7 1	91.0					96.8		I .		99.1	99.1	99.7		1 +	
	61.7	91.0			95.6	96.5	96.9		<del></del>		99.1		99.7		99.8	99.9
≥ 300 ≥ 200	61.7	91.0		94.1	95.6	96.5			1		99.1	99.1	99.7			
	61.7	91.0			95.6						99.2		99.8			100.0
≥ 100	61.7	91.0	1		95.6							99.2				100.0
L	01.1	27.00	7340	7701	77+0	70.0	7/00	70.3	7004	7706	7702	7706	77.9	7790	7747	LUURU

TOTAL NUMBER OF OBSERVATIONS

930

### CEILING VERSUS VISIBILITY

MALHSTRUM AFB MT/GREAT FALLS 68-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS Esta

CEILING							VIS	BILITY (STA	TUTE MILE	ES1	·					
FEET	≥10	≥6	≥5	≥4	≥3	≥21/2	≥ 2	≥1½	≥11/4	≥1	≥ 3,4	≥ %	≥ 1/7	≥ 5,16	≥ '.	≥0
NO CEILING ≥ 20000	40.6 49.6			59.0		48.5 59.3	48.5 59.3	59.3	48.5 59.3	48.5 59.3	48.5 59.3	48.5 59.3	59.3	59.4	48.6 59.4	48.6 59.4
≥ 18000 ≥ 16000	49.9 50.1	59.1	59.1 59.4		59.7	59.5 59.8	59.6 59.8	59.8	59.6 59.8	59.6 59.8	59.6 59.8	59.6 59.8	59.6 59.9		59.7	59.7 59.9
≥ 14000 ≥ 12000	51.1 54.9	64.3	64.6	64.7		5.0	60.9		65.0	60.9	65.0	60 • 9 65 • 0	65.1	65.1	61.0 65.1	65-1
≥ 10000 ≥ 9000	61.8 61.8		71.3 72.2 74.6	71.4 72.4 74.8		71.7 72.7 75.1	71.7 72.7 75.1	71.7 72.7 75.1	71.7 72.7 75.1	71.7 72.7 75.1	71.8 72.7 75.2	71.8 <u>772.7</u> 75.2	71.8 72.8 75.2		71.9 72.8 75.3	71.9 72.8 75.3
≥ 8000 ≥ 7000 ≥ 6000	64.7	75.3	75.6		76.0	76.0 77.4	76.1 77.5	76.1	76.1 77.5	76.1	76.1 77.5	76.1 77.5	76.1 77.5	76.2	76.2	76.2
≥ 5000 ≥ 4500	68.2	79.5		80.0		80.3	80.3	80.3	80.3	80.4	80.4 81.7	80.4 81.7	80.4	80.4 81.7	80.5 81.8	80.5
≥ 4000	71.8	83.3	83.8	84.1 85.2	84.4	84.6 85.8	84.7	84.7	86.0		,	84.8 86.1	84.8	84.9 86.2		84.9 86.2
≥ 3000 ≥ 2500 ≥ 2000	72.5	86.4	87,4		88.2	88.5		88.88		88.9		-	89.0	89.0		87.6 89.1
≥ 1800 ≥ 1500	73.6 73.8 74.0	88.1	89,3	89.7	90.4	90.7			91.3	91.5	91.5	90 · 8 91 • 5	91.6	91.6		91.7 92.5
≥ 1200 ≥ 1000	74.3	89.3	90.6	91.1	92.1	92.5		93.4	93.7	93.9	94.0			94.1	34.2	94.2
≥ 900 ≥ £.	74.4		91.3	91.8	92.9			94.8	95.2	95.8 96.3	96.6	96•0 96•7	1			
≥ /00 ≥ 600	74.5	90.2		92.4	93.6	94.2	95.1	95.9	96.4	97.2	97.6	97.7		98.2	98.3	98.3
≥ 500 ≥ 400	74.5	90.3	91.8	92.5	93.8	94.4	95.4	96.3	96.8	97.6	98.0	98.2	98.7	98.8	98.9	99.0
≥ 300 ≥ 200 > 100	74.5 74.6 74.6	90.3	91.9	92.6		94.6	95.7	96.6	97.1	98.0	98.5	98.7		99.2		99.7
≥ 100 ≥ 0	74.6											98.9		99.5	99.8	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68**-**77

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY (STA	TUTE MILE	S)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥11/2	214	≥1	≥ *4	۶,د ≷	≥ ⅓	≥ 5116	≥ '.	≥0
NO CEILING ≥ 20000	44.2	57.1	57.1 64.3	57.2 64.4	57.2 64.4	57.2 64.4	57.2 64.4	57.	*7.2 34.4	57.2 64.4		57.2 64.4			57.2 64.4	57·2 64·4
≥ 18000 ≥ 16000	48.8 48.8	64.4	64,4	64.6	64.6	64.6 64.6		64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000 ≥ 12000	48.9 50.7	66.4	66,4	66.6		64.8	66.8					66.8	66.8	66.8	64.8	
≥ 10000 ≥ 9000	50.3 57.2	74.0	73.0	73.1	73.2	73.2	73.3	74.3	73.3	74.3	74.3	73.3	74.3	73.3	73.3 74.3	74.3
≥ 8000 ≥ 7000	57.7 58.6 59.1	74.6 75.4 76.3	74.6			74.8		75.8	74.9 75.8	75.8	75.8	74.9 75.8	75.8	75.8	74.9 75.8 76.7	74.9 75.8 76.7
≥ 6000 ≥ 5000	61.8	79.3	76.3 79.3	76.4 79.4 79.8		76.6 79.6 79.9			76.7	76.7 79.7 80.0	79.7	76.7	79.7	79.7	79.7	79.7
≥ 4500 ≥ 4000	63.9	81.8	81.8	81.9		82.0	82.1	80.0 82.1 83.4	80.0 82.1 83.4	82.1	82.1	80.0 82.1 83.4	82.1	82.1	82.1 83.4	82.1 83.4
≥ 3500 ≥ 3000	66.0	84.2	84.2	84.3	84.6	84.6	84.7	84.7		84.7	84.7	84.7	84.7	84.7	84.7	
≥ 2500 ≥ 2000	67.0	ø6.6	87.0	87.2	87.7	87.7	87.9	87.9 88.9		87.9	87.9		87.9	87.9		87.9
≥ 1500 ≥ 1500	67.0	88.2	88.7	89.0	89.4	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	67.9	90.0	90.7	91.1	91.8	92.1	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800 ≥ 700	68.2	90.4		91.4		92.4	93.0	93.8	93.8	93.8	93.8	93.8	93.8		93.8	
≥ 600	68.7	90.9	91.6		92.7		93.7	94.4	94.4	94.7	94.8	94.8	94.8		94.8	94.8
≥ 400			92.4	93.0	93.4	94.2	94.6	95.7	96.7	96.6	96.9	97.2 98.2			97.3 98.4	97.3 98.4
≥ 200		91.3	92.4	93.0	93.9	94.3	95.0	96.8	97.2	98.2	98.7	99.3	99.7	99.7	99.8	99.3 99.8
≥ 0	68.9	91.3	92.4	93.0	93.9	94.3	95.0	96.8	97.2	98.2	98.7	99.3	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCLETE

## CEILING VERSUS VISIBILITY

MALMSTRUM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>\_0300=0500</u>

CELING							VISI	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥11/4	≥ì	≥ ⅓,	≥ >4	≥ 1/2	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	44.6 50.8	55.0 64.1	55.0 64.2	55.0 64.2	55.U 64.2	55.0 64.2	55.0 64.2	55.0 64.2	55.0		55.0 64.2	55.0 64.2	55.0	55 · 1	55.1 64.3	55.1
≥ 18000 ≥ 16000	51.1 51.1	64.4	64.6 64.6	64.6	64.6	64.6	64.6 64.6	64.6	64.6	7 1 7 7	64.6	64.6	64.6	64.7	64.7	64.7
≥ 14000 ≥ 12000	51.1 52.2	64.4	64,6	65.9	64.6			64.6 65.9	65.9	65.9	65.9	64.6	64.6	64.7	64.7	64.7
≥ 10000 ≥ 9000	57.6 57.8	71.7	72,1 72,7	72.1		72.7		72.1 72.7	72.1 72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 8000 ≥ 7000	58.8 59.0	73.7 73.7	73,8	74.1	73.8	74.1	74.1	73.8	74.1	74.2	74.2	74.2	73.9	74.3	74.0	74.0
≥ 6000 ≥ 5000 ≥ 4500	60.1 62.0 63.1	77.6	75.6 78.0 79.1	78.0	75.6 78.0 79.1	75.6 78.0	78.0	75.6 78.1	78.1	78.2	78.2	78.2	75.7	78.3	78.3	75.8
≥ 4000 ≥ 3500	64.9	81.0 81.9	81.4		81.6 82.6			79.2 81.7	79.2	81.8	81.8	81.8	79.3 81.8	79.4 -81.9	81.9	79 • 4 -81 • 9
≥ 3000	66.8	83.3		84.1	84.3 85.1	84.3 85.1		-	82.7 84.4 85.2	82.8 84.6 85.3	84.6	82 • 8 84 • 6 85 • 3	82.8 84.6 85.3	84.7	82.9 84.7 85.4	82.9
≥ 2000	67.8	85.1	85.9	86.0	86.3	86.4	86.6	86.7 87.7	86.7	86.8	86.8	86.8	86.8	85.4 86.9 87.9	86,9	85.4 86.9 87.9
≥ 1500	68.0 68.7	87.1 88.2	87.9	88.0	88.4	88.8	89.0	89.1	89.1	89.2 90.8	89.2	89.2	90.8	89.3	89.3	90.9
≥ 1000	69.4	89.0 89.4	89.8 90.2	90.4	91.1	91.1	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 800 ≥ 700 ≥ 600	69.6	89.4	90.4	90.7	91.4	91.9	92.8	93.3	93.3	93.4	93.4	92.9 93.4	93.4	93.6	93.0 93.6	93.6
≥ 500 ≥ 400	69.8 69.9	89.9 90.2 90.3	91.4			93.1	94.1	94.8	93.8	95.3	95.6	95.7		94.2	1	94.2
≥ 300 ≥ 200	70.0	90.4	91.7	91.8 91.9 92.0	93.1	93.6	95.0	96.0	95.7 96.0 96.3	96.9	97.6	97.7	97.8		97.3 98.2	98.3
≥ 100 ≥ 0	70.0	90.4	91,8	92.0	93.2	93.9	95.4 95.4	96.4	96.4	97.6	98.3			99.1	99.2	99.4 99.4

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							YIS	IBILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥11/4	≥1	≥ 1/4	≥,*	≥17	≥5 16	≥ ′.	≥0
NO CEILING ≥ 20000	40.4 56.0			56.9		47.2 57.0	57.0	47.2 57.1	57.1	57.1	57.1	57.1			47.2 57.2	47 • 2 57 • 2
≥ 18000 ≥ 16000	56.4 56.4		56.9	57.3		57.4 57.4	57.4	57.6			57.6 57.6		57.6 57.6	57.7 57.7	57.7 57.7	57.7 57.7
≥ 14000 ≥ 12000	57.6 60.9	61.2		61.8		58.6 61.9	61.9	62.0					58.7 62.0	58 • 8 62 • 1	58.8 62.1	58 · 8 62 · 1
≥ 10000 ≥ 9000	67.9 69.0		68.6 69.7	70.1	69·1 70·2	69 • 1 70 • 2	69.1 70.2			70.3	69.2 70.3	70.3	69.2 70.3	69.4 70.6	69.4 70.6	69.6 70.7
≥ 8000 ≥ 7000	70.7 71.8	71.3	71.4	71.9 73.0		72.0 73.1	72.0 73.1	73.2		73.2	72.1 73.2		72.1 73.2	72.3 73.4	72.3	72.4
≥ 6000 ≥ 5000	72.6 75.1	73.2 75.9	73.3 76.0	73.9 76.6	74.0	74.0 76.7		76.8			74.1 76.8	74 • 1 76 • 8	74.1 76.8	1	74.3	74.4
≥ 4500 ≥ 4000	76.0 77.6	77.2 79.0	77,3	77.9	78.0 79.9	78.0 79.9	79.9	80.0							78.3 80.2	78 • 4 80 • 3
≥ 3500 ≥ 3000	79.2 80.0	80.7 81.7	81.9	81.3 82.7	81.7	81.8	83.1	83.2		83.2	83.2	83.2		83.4		
≥ 2500 ≥ 2000	80.8 81.7	83.1 84.0 84.4	83.4 84.3		84.8		86.1		86.6	86.6	85.0 86.7	86.7	86.7	86.9	86.9	
≥ 1800 ≥ 1500	83.0		86.6	85.8 87.6 88.8		88.6	88.8		89.2		89.3	89.3	89.3	89.6		89.8
≥ 1200 ≥ 1000	83.6	87.7 87.8	88.4	89.7	90.7	90.8	90.2 91.3 91.4	91.8	92.0	92.0		92.2	92.2	92.4	92,4	92.7
≥ 900 ≥ 800	83.7	87.8 87.8	88,6		90.9	91.0	91.6	92.0	92.1	92.2	92.4	92.4	92.4	92.6	92.6 92.7	92.9
≥ 700 ≥ 600	83.8	88.1	89.2	90.8		92.6		92.4 93.7 94.3		94.0	93.0 94.2 95.2	94.3	93.0	93.2	93.2	94.8
≥ 500 ≥ 400 ≥ 300	83.9	88.7	- 1	91.6	93.0	93.3		94.9	95.2	95.7	96.2	96.4	95.3 96.7 97.4	95.6 96.9 97.9	95.6 96.9 98.0	97.2
≥ 200	83.9	88.8	90.1		93.7	94.0		95.8	96.2	96.9	97.4				98.8	98 • 4 99 • 3
≥ 100 ≥ 0	83.9		90.1					95.9			97.8	98.1		99.0		

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0900-1100

CEILING							VIS	IBILITY (STA	ATUTE MILI	ESI						
FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥11/2	≥1%	≥1	≥ 1,4	≥ >,	≥ 1/2	≥ 5/16	≥ ,•	≥0
NO CEILING ≥ 20000	47.8 55.7	48.0 55.9	48.1 56.0	٠ ٦		48.3 56.2		48.3 56.2	48.3 56.2	48.3 56.2	48.3	48.3 56.2	48.3	48.3 56.2	48.3	48.3
≥ 18000 ≥ 16000	56.2 56.2	56.4 56.4	56,6 56,6	- · · · ·	56.8 56.8	56.8 56.8		56.8 56.8	56.8 56.8	56.8 56.8	56.8 56.8	56.8 -56.8	56.8	56.8 56.8	56.8 56.8	56.8
≥ 14000 ≥ 12000	56.7	56.9 61.6	57.0 61.7	57.2 61.9	57.2 61.9	57.2 61.9	61.9	57.2 61.9	57.2 61.9	57.2 61.9	57.2	57.2	57.2 61.9	57.2 61.9	57.2 61.9	57.2 61.9
≥ 10000 ≥ 9000	67.1 67.8	67.4	67.6	67.8	67.8 68.4	67.8 68.4	68.4	67.8	68.4	67.8 68.4	67.8 -58.4	.67.8 .68.4	67.8 68.4	67.8 68.4	67.8 68.4	67.8
≥ 8000 ≥ 7000	71.8	71.6	71.7 72.6	71.9 72.8	71.9	71.9 72.8	72.8	71.9	71.9 72.8		71.9	71.9 72.8	71.9 72.8	71.9 72.8	71.9	71.9 -72.8
≥ 6000 ≥ 5000	73.2 76.0	74.1	74.2 77.1	74.4	74.4	74.4	74.4	74.4	74.4	77.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500 ≥ 4000	77.4 78.9	78.4 80.3	78.6 80.4	78.8	78.8 80.7	78.8 80.7		78.8	78.8	80.7	78.8 80.7	78.8 80.7	78.8 80.7		78.8 80.7	78 • 8 - 80 • 7
≥ 3500 ≥ 3000	79.9 81.6	81.3	81.4 83.2	81.7	81.7	81.7 83.7	81.7 83.7	81.7 83.7	81.7 83.7	81.7 83.7	81.7	81.7 83.7	81.7 83.7	83.7	81.7	81.7
≥ 2500 ≥ 2000	82.6 84.0	84.6	84.7	85.1	85.2 87.3	85.4	87.7	87.7	85.6	87.7	85.6 87.7	85.6 87.7	85.6 87.7	85.6 87.7	85.6 87.7	85.6 87.7
≥ 1800 ≥ 1500	84.4	86.8 87.9	86.9	87.3	87.4 88.7	87.7 89.0	89.1	87.8 89.1	87.9 89.2	87.9 89.2	87.9 89.2	87.9 89.2	89.2	87.9 89.2	89.2	87.9 89.2
≥ 1200	84.7 85.0	88.6	88.8		90 • 1 91 • 4	90.4	92.3		91.0 92.7	92.7	92.8	92.8	92.8	92.8	92.8	91.0
≥ 900 ≥ 800	85.2 85.2	89.6	90.2		92.9		93.8	94.1	93.3	94.3	94.6	94.6	94.6	94.6	94.6	93.6
≥ 700 ≥ 600	85.6 85.7	90.9			93.6	93.9	95.1	25.7	95.1 95.8		95.4 96.4	95.4	95.4 96.6	95.4 96.8		95.4
≥ 500 ≥ 400	85.7 85.7	91.0		93.7	94.8 95.0	95.3	95.9		96.7	97.1	97.7	97.1 97.7	97.4 98.1	97.7	98.6	97.7 98.6
≥ 300 ≥ 200	85.7 85.7	91.0		93.9	95.3	95.7	96.3		97·1	97.8		98.2	98.7 98.8	99.0	99.2	99.2
≥ 100 ≥ 0	85.7 85.7	91.0 91.0			95.3 95.3	95.7 95.7			97.1 97.1			98.6 98.7	99.2 99.4	99,6 99,8	,- ,-	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10,04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

APR

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING	i						VIS	IBILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1 ½	≥11/4	≥1	≥ 1,4	≥,•	≥ 17	≥ 5 16	≥'4	≥0
NO CEILING ≥ 20000	40.8 51.8	40.8 51.8						,					40.8 51.8	40.8		
≥ 18000 ≥ 16000	52.1 52.1	52.1 52.1	52,1 52,1	52.1 52.1	52.1 52.1	52.1 52.1	52.1 52.1	52.1 52.1	52.1 52.1	52.1 52.1	52.1 52.1	52.1	52.1		52.1 52.1	52.1
≥ 14000 ≥ 12000	52.2 54.9	52.2 55.0	52,2 55,0	52.2 55.0	52.2 55.0	52.2 55.0	52.2	52.2	52.2	52.2	52.2		52.2	52.2	52.2	52.2
≥ 10000 ≥ 9000	59.7	58.8 59.4			58.8 59.4		58.8	58.8	58.8	58.8	58.8		58.8	58.8	58,8	58.8
≥ 8000 ≥ 7000	55.1 65.1	63.2 65.2	63.2	63.2 65.2	63.2		63.2	63.2	63.2	63.2	63.2		63.2	63.2	63.2	63.2
≥ 6000 ≥ 5000	69.8 75.3	69.9 75.6	69.9 75.7	69.9 75.7	69.9 75.7		69 <b>.9</b> 75 <b>.</b> 7	69.9 75.7		69.9	69.9	69.9	69.9		69.9	69.9
≥ 4500 ≥ 4000	77.0 80.8	77.2 81.2	77,3 81.3	77.3 81.3	77.3 81.3	81.3	77.3 81.3	77.3 81.3	77.3 81.3	77.3	77.3	77.3				77.3
≥ 3500 ≥ 3000	82.0 84.1	82 - 4 84 - 9	82.6 85.0		82.6 85.0	85.1	82.6 85.1	82.6 85.1	82.6 85.1	82.6 85.1	82.6	82.6	82.6 85.1	82.6 85.1	82.6 85.1	82.6 85.1
≥ 2500 ≥ 2000	85.6 86.9	85 • 6 88 • 4	86.7	86.8 88.7	86.8	88.9		87.1 89.0		89.2	89.2	87·2 89·2	87.2 89.2	87.2	87.2 89.2	- ,
≥ 1800 ≥ 1500	87.1 87.4	88 • 8 89 • 7	88.9 89.9	90.0	90.0	90.3		89.3 90.4	89.3 90.4	90.7	90.8	89.6 90.8	89.6 90.8		<b>v</b> -	89.6 90.8
≥ 1200 ≥ 1000	88.1 88.6	91.8	91.2 92.1	92.7	91.7 93.0			92.3	94.0	94.2	94.3	94.3	92.7 94.4			,
≥ 900 ≥ 800	88.6	91.9		93.1	93.3	94.1		94.2	95.0	94.8 95.4	95.6	95.7	95.0 95.8	95.0 95.8	95.8	95.8
≥ 700 ≥ 600	88.7	92 • 1 92 • 2	92.8 92.9	93.7	94.2			95.6 95.7	95.8		96.8	97.1	96.8	96.8		96.8
≥ 500 ≥ 400	88.8	92,3 92,6	93.6	94.6	95.0		96.4	96.6 96.8	96.9	97.6	98.3	98.7	98.1 98.8	98.2 98.9	97.1	99.1
≥ 300 ≥ 200	88.8	92.6 92.6	93.6 93.6	94.7	95.2	95.9	96.0	96.8	97.2	97.8	98.7	99.0	99.2	99.3	99,7	99.8
≥ 100 ≥ 0			: -	94.7	95.3		96.6	96.9	97·2 97·2	98.1	98.7		99.3			

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLUTE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-1509-1700

CENTRAL							VIS	BILITY (ST	ATUTE MIL	ESI	<del></del>					
CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥ì	≥ 1/4	5,1	≥ '⁄2	≥ 5/16	≥,,	≥0
NO CEILING ≥ 20000	38.0 49.2	38 · 1 49 · 3					38.1 49.3	38.1	38.1		38.1		38.1	38.1	38.1	38,1
≥ 18000 ≥ 16000	49.7	49.8						49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000 ≥ 12000	50.4 54.0	50.6 54.1	50,6 54.1	50.6 54.1	50.6	50.6	50.6	50.6 54.1	50.6							
≥ 10000 ≥ 9000	59.2 59.7	59.3 59.8						59.3 59.8		59.3 59.8			59.3	59.3 59.8	59.3 59.8	59.3
≥ 8000 ≥ 7000	61.8	61.9 64.7		61.9 64.7		61.9	- 1	61.9	61.9	. ~ _	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000 ≥ 5000	70.8 77.2	71.0 77.4	77.4	77.4	77.4	77.4			[			71.0	71.0	71.0	71.0 77.4	71.0
≥ 450°) ≥ 4000	78.2 81.4	78,4 81.8	81.9	82.0	82.0	82.0	82.0	78.4 82.0	82.0				78.4 82.0	78.4 82.0	78.4 82.0	78.4
≥ 3500 ≥ 3000	83.7 85.4	84.0 86.0	86.1	84.2		86.3	86.3					84 - 2	84.2	84.2	84.2	84.2
≥ 2500 ≥ 2000	86.2	87.6 89.4	89.8	90.0	90.0						88.1 90.2		88.1 90.2	88 • 1 90 • 2	88.1 90.2	88 • 1 90 • 2
≥ 1800 ≥ 1500	88.4		92.2	92.4	92.8	93.0	93.0	93.0	93.1		93.1	90.4	90.4 93.1	90.4 93.1	90.4 93.1	90.4 93.1
≥ 1200 ≥ 1000		93.8		94.7	95.1		95.4		94.4				94.4	94.4	94.4	
≥ 900 ≥ 800	91.2	93.8	94.4		95.2	95,7	95.8		96.0	96.1	96.1	96.2	95.9 96.2	96.2	95.9	96.2
≥ /00 ≥ 600		94.0	95.1		95.7	96.3	96.6	96.7	97.0	97.4	97.1 97.4	97.8		97.8		97.8
≥ 500 ≥ 400 ≥ 300	91.8	94.6 94.6	95.3			96.7	96.9	97.1		98.1	98.3	98.9		99.2		99.4
≥ 200	91.8		95,3	95.8		96.7	96.9		97.6	98.3		99.2	99.7	99.7	100.0	
≥ 100	_	94.6		95.8			96.9				98.6 98.6		99.7 99.7		100.0	

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC 101.04 0-14-5 (OL A) MEVOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING		·					VIS	BILITY (ST.	ATUTE MIL	ES)			<del></del> -			
FEET	≥ 10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1½	≥1½	≥1	≥ 34	≥'₅	≥ 7	≥5 16	≥ '.	≥0
NO CEILING ≥ 20000	41.9 52.1	55.4	55,4	55.4	55.4	55.4				43.8 55.4				43.8	7.7	43.8 55.4
≥ 18000 ≥ 16000	52.8 52.8	· · · · ·	56.1 56.1	56.1	56.1 56.1		56.1 56.1		56.1 56.1	56.1	56.1	56.1	56.1 56.1	56.1 56.1	56.1 56,1	56•1 56•1
≥ 14000 ≥ 12000	57.6 54.8	1 7 7 1	56.3	50.3 61.3	61.3				56.3	61.3	61.3	61.3	61.3	61.3	61,3	61.3
≥ 10000 ≥ 9000	65.2		68.7 69.2		69.2	69.2			69.2	69.2	69.2			69.2		69.2
≥ 8000 ≥ 7000	69.1	73.4	73.4 76.8	71.8 73.4 76.8	71.8 73.4 76.8	73.4	71.8 73.4 76.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4		73.4
≥ 600° ≥ 5000	75.9	80.7	80.8	80.8		80.8	80.8	76.8 80.8	80.8		80.8	80.8		80.8		80.8
≥ 4500 ≥ 4000 ≥ 3500	80.3	85.8	85.9	85.9	85.9	85.9	85.9	82.8 85.9 87.6	85.9	82.8 85.9 87.6	85.9	85.9	82.8 85.9 87.6	85.9	85.9	85.9
≥ 3000	83.9	89.6	89.8	89.8	89.8 91.6	89.8	89.8		89.8	89.8		89.8	89.8	89.8	89,8	89.8
≥ 2000	84.9	92.1	92.6	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1		93.1
≥ 1500	85.7		94.0	94.1	94.4	94.4		94.4	94.4	94.4		94.6	94.6	94.6	94.6	94.6
≥ 1000	86.1			95.4	95.8	95.8	96.0		96.1	96.1		96.2	96.2	96.2	96.2 96.4	96.2
≥ 800	86.6	94.4	95.4	96.0		96.3	96.6		97.1	97.1		97.2	97.2	97.2	97.2	\$7.2
≥ 500	86.9		96.1	96.8	96.9	97.1	97.1	97.4	98.0	98.1 98.4	98.2	98.9	98.3	98.3	98.3	98.3
≥ 400	87.0	95.1	96.2	96.9	97.2	97.2	97.4	97.9	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3
≥ 200	87.0	95.1	96.2	96.9	97.2	97.2	97.6	98.0	98.6 98.6	98.8	99.2	99.4	99.7	99 + 8	99.9	100.0
≥ 0	87.0	95.1	96.2	96.9	97.2	97.2	97.6	98.0	98.6	98.8	99.2	99.4	99.7	99.8	99.9	

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

APR

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>-2100-230</del>0

CEILING							VIS	BILITY (STA	TUTE MILE	E\$1						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥2	≥1½	≥1¼	≥1	≥ 1,4	≥ >′a	≥ ⅓	≥5 16	≥.	≥0
NO CEILING ≥ 20000	39.9	52.0 60.6	52.2 60.8	52.3 60.9	52.3	52.3 60.9	52.3 60.9		52.3	52.3	52.3	52.3	52.3	52.3 60.9	52.3 60.9	52.3
≥ 18000 ≥ 16000	45.6	60.8		61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000 ≥ 12000	46.1 49.4	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000 ≥ 9000	54.8	71.2	71.4 72.4	71.6 72.6	71.6	71.6	71.6	71.6	71.6 72.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6 72.6
≥ 8000 ≥ 7000	57.0 58.3	73.6	73.8	73.9	73.9	73.9 75.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	الماسية ا	73.9 75.6	73.5
≥ 6000 ≥ 5000	59.7	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9 80.9	76.9	76.9 80.9	76.9 80.9	76.9
≥ 4500 ≥ 4000	63.6	81.1	81.3	81.4	61.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4 84.0	81.4 84.0
≥ 3500 ≥ 3000	66.4	85.1	85.3	85.4	85.4	85.4 86.8	85.4	85.4	85.4	85.4	85.4	85 • 4 86 • 8	85.4	85.4 86.8	85.4 86.8	85 • 4 86 • 8
≥ 2500 ≥ 2000	67.7	87.1	87.4	87.8	87.9	87.9 89.0	87.9	87.9		87.9 89.1	87.9 89.1	87.9 89.1	87.9	87.9 89.1	87.9 89.1	87.9 89.1
≥ 1800 ≥ 1500	67.9	87.9	88.4	89.2	89.6	89.6	89.7		89.7	89.7	89.7 91.1	89.7 91.1	89.7	89.7 91.1	89.7 91.1	89.7 91.1
≥ 1200 ≥ 1000	69.1	89.8	90.6		92.0		92.4			92.6	92.6	92.6	92.6		92.6	92.6
≥ 900 ≥ 800	69.1		1 -	91.7		- :		93.2		93.2		93.2	93.2	93.2	93.2	93.2
≥ 700 ≥ 600	69.3 70.1	90.7	1	92.4		93.7		94.2				94.6		1	1 7 7	94•6 - <del>96•3</del>
≥ 500 ≥ 400	70.3		1	94.0		95.9	96.4	97.2		97.5	97.9	98.4	98.4	98.4	98,6	98.6
≥ 300 ≥ 200	70.3 70.3	1 7 7 7 7	93.3	94.3	95.7	96.4	97.2	29.2		99.0	99.0	99.6	99.7		99.8	99+B
≥ 100 ≥ 0	70.3				1			98.2					1		99.9 100.0	

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

### CEILING VERSUS VISIBILITY

24112

MALHSTROM AFB MT/GREAT FALLS

68-77

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

																<del></del>
CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥11⁄2	≥1½	≥1	≥34	≥'.	≥ 7	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	42.9 51.2		47.7 57.3	47.8 51.4	47.8 57.4			47.8 57.4	47.8 57.4	47.8 57.4	47.8	47.8	47.8	47.9 57.5	47.9	
≥ 18000	51.6	57.6	57.7	57.8	57.8	57.8				57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	51.6	57.6	- , , , ,	57.8	57.8	57.8					57.8					
≥ 14000 ≥ 12000	52.0 55.1	58.0 61.3	58.1 61.4	58.2	58.2 61.5	58.2 61.5		58.3			58.3	58.3		58.3		
≥ 10000	60.8	67.3	67.4	67.5	67.6	67.6			67.6		67.6					
≥ 9000	61.5	68.1	68.2	68.3	68.3			68.3			68.4			1		• • • • • •
≥ 8000	63.5	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4						70.5	
≥ 7000	64.8	71.6	71.7	71.8	71.8	71.8					71.9					
≥ 6000 ≥ 5000	70.8	74.1 78.0	74.2 78.1	74.4 78.3	74.4	74.4		74.4	74.4				,		74.5	
≥ 4500	71.9		79.3	79.4	78.3	78.3	,				78.3					
≥ 4000	74.2	81.8	82.0	82.1	82.2	82.2		, ,	52.2		82.2	79.5	79.5 82.2		79.6 82.3	, , , , ,
≥ 3500	75.5	83.3	83.4		83.6	83.6						83.7				83.6
≥ 3000	76.9	84.9	85.1	85.3	85.4			85.5	• • • •				: !	83.6		
≥ 2500	77.7	86.2	86.5	86.8	87.0	87.1			87.1			87.2				
≥ ≀000	78.5	87.5	87.9	88.2			88.7		88.8			88.8	88.8	88.9	88.9	68.9
≥ 1800 ≥ 1500	79.2	88.0 89.2	88.3		89.0							89.4			89.4	
	79.8	90.1	90.6		91.7	90.6		90.8			90.9			91.0		
≥ 1200 ≥ 1000	80.1	90.7	91.4	92.0		91.9 92.9			92.4 93.6		92.4			92.5		
≥ 900	80.2		91.6		92.9	93.2			93.9	94.0	93.7 94.1	94.1	94.1	93.8 94.1		
≥ 800	80.3	•	91,8	92.5		93.5								94.7		
≥ 700	80.4	91.2	92.1		93.6	93.9	94.3	94.8		95.1					95.3	
≥ 600	80.7		92.5			94.4	94.9	95.4	95.6		96.0	96.1	96.2		96.3	96.3
≥ 500	80.8	91.8		93.7			95.5		96.3		96.9	97.2	97.3	97.4		
≥ 400	80.8			93.5		75.2	95.8	96.5		97.3			98.1		98.3	
≥ 300 ≥ 200	80.8	92.0	93.1	94.0		77.4	96.1	96.8	97.1	97.7	98.1	98.4	98.7		99.0	
L	80.8			94.0	95.1	97.8	96.2	97.0	97.4	78.0	98.4	98.8	99.1		99.4	
≥ 100 ≥ 0		92.0						97.0					99.3	99.5	99.8	
L							/043	7100	7159	1001	70.0	770()	77.3	7740	77.5	100.0

TOTAL NUMBER OF OBSERVATIONS

7200

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

-- MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0000=0200

CEILING							VIS	BILITY (ST	ATUTE MILE	<b>E</b> \$,						
FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥ 14	≥ 'a	٧٠	≥5 16	۷ ،	≥0
NO CEILING ≥ 20000	47.3 53.7	59,7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7 66.6	59.7
≥ 18000 ≥ 16000	53.9 54.1	67.0		66.8	66.8	67.0	66.8	66.8 67.0	66.8	66.8 67.0	66.8	66.8	66.8	67.0	66.8	66.8
≥ 14000 ≥ 12000	54.4 57.7	67.5 71.0		67.5	67.5	71.0	67.5	67.5 _71.0	67.5 71.0	67.5 71.0	67.5 71.0	67.5	67.5	ا مصا	!	67.5
≥ 10000 ≥ 9000	62.2	75.9	75,9 77,1	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1	75.9	75.9	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1
≥ 8000 ≥ 7000	62.9	78.3 80.0			80.0	78.3 80.0	78.3 80.0	78.3 80.0	78 • 3 80 • 0	78•3 80•0	78.3 80.0	78.7	78.3	80.0	78.3	78•3 80•4
≥ 6000 ≥ 5000	64.8	80.9	80.9	80.9	80.9	80.9		80.9 84.4	80.9	80.9 84.4	80.9 84.4	80.9	80.9	80.9	80.9 84.4	80•9 84•4
≥ 4500 ≥ 4000 ≥ 3500	67.4 68.5	85.7 87.1	85.7	85.7 87.1	85.7 87.1	85.7 87.1	85.7 87.1	87.1	85.7 87.1	85.7 87.1	85.7 <u>87.1</u>	85.7 87.1	85.7 87.1	85.7 87.1	87.1	85.7 87.1
≥ 3000	70.5 71.2	88.6 89.7	90.0	88.8 90.0 91.0	90.0	90.0		90.0		88 • 8 90 • 0	88.8 90.0	90.0		90.0	90.0	88 • B
≥ 2500 ≥ 2000 ≥ 1800	71.7	91.2 91.9	91.8	91.8	91.8	91.8 91.8		91.8	91.0 91.8 92.8	91.8	91.0 91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	72.5	92.9		94.0		94.1 95.7	94.1 95.7	94.1 95.7	94.1 95.7	92.8 94.1 95.7	92.8 94.1 95.7	94.1	92.8 94.1 95.7	94.1	94.1	92 • 8 94 • 1 95 • 7
≥ 1000	73.4	94.7	96.2	7 1	96.8	96.9	97.0		97.0 97.1		97.0 97.1		-			97.0 97.1
≥ 800	73.5	94.9	A	97.5	97.1	97.2	97.3	97.3	97.3	97.3 98.3	97.3 98.3		97.3	97.3	97.3	97.3
≥ 500	74.1	95.8 95.8	97.7	98.0	98.4	98.6		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	74.1	95.8	98.0	98.2	98.8	99.1	99.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	74.1	95.9	98.2	98.4		99.5	99.8	100.0	100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9	100.0	99.5	99.9
<u> </u>	74.1	95.9	98.2	98.4	99.0	99,5	99.9	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	joo-o

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FOR

### CEILING VERSUS VISIBILITY

24112 MARION

MALMSTRUM AFB MT/CREAT FALLS 68-77

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEIUNG				······································		····	VIS	IBILITY (ST.	JIM JIUIA	F5 <sup>,</sup>						)
HET	≥10	>6	≥ 5	≥ 4	≥ 3	≥2',	≥ 2	≥1',	≥114	<u>}1</u>	2 4	≥ ,	· .	25 16	2.4	• 0
NO CEILING + 20000	47.8 53.9			54.7 61.1	54.7 61.1	54.7	54.7		54.7 61.1	54.7	54.7 61.1	54.7 61.1	54.7 61.1	54.7 61.1		- · ·
≥ 18000 ≥ 15000	53.9 54.1	61.1 61.3	61.3	., .	61.3		61.3		61.3	61.1 61.3	61.3	61·1 61·3	61.1	61.1	61.1	61.1
≥ 14000 ≥ 12000	57.3	64.5	64.5	64.5		61.7 64.5	64.5	64.5			61.7 64.5	61.7 64.5		64.5	61.7	61.7
≥ 9000	64.3	72.4	72.4	71.1	71.1			72.4	71.1		71.1			72.4		72.4
≥ 8000 ≥ 7000 ≥ 8000	68.8	76.8 78.0	76.9 78.1 80.3	76.9 78.1 80.3	76.9 78.1 80.3	76.9 78.1 80.3	78.1	78.1	76.9 78.1	78.1	76.9 78.1	78.1	78,1	78.1	78,1	78.1
≥ 5000 ≥ 5000 ≥ 4500	73.4	83.9		84.0	84.1	84.1	84.1	34.1	80.3 84.1 84.9	84.1	80.3 84.1 84.9		84.1	80.3 84.1 84.9	84.1	84.1
≥ 4000 ≥ 3500	75.3 75.8	86.1	86.2 87.4	86.2	86.3	86.3 87.5	86.3	86.3	86.3	86.3	86.3		86.3	86.3	86,3	86.3
> 3600 ≥ 2500	76.7 77.4	88.0 88.7		88.5 89.2	88.6	88.6	88.6	88.6				88.6	88.6	88.6	88.6	88.6
± 2000 ± 1800	78.4	90.4	91,3	90.6	90.9	90.9 91.5	91.5	91.5	90.9		90.9		90.9	90.9	- 1	
2 1500 2 1700	78.8 79.6 79.9	92.7	94.2	94.2	92.6	92.6	94.5	94.5	94.5	94.5	94.5		94.5	94.5	94.5	92.6
2 900 2 800	80.2 80.4	93.2 93.5 94.0	95.2	94.8 95.2 95.7	95.2 95.5 96.1	95.2 95.5 90.1	95.5	95.5	95.2 95.5 96.1	95.2 95.5 96.1	95.5	95.5	95.5	95.5	95.5	95.5
± 700 ± 600	80.8 81.2	94.4	96.1	96.1	96.6 97.4	96.7 97.7	90.7	96.7	96.7	96.7	96.1 96.7 97.7	96.1 96.7 97.7	96.1 96.7 97.7		96.1 96.7 97.7	96.7 96.7
± 500 ± 400	81.5 81.5	95.3	97.7	97.6 97.7	98.1 98.2	98.6	98.5 98.7	98.5 98.7	98.5 98.7	98.5 98.7	98.5 98.7	98.5	98.5	98.5 98.7	98.5	98.5
≥ 300 ≥ 700		95.9	98.6	98.2 98.6	99.2	99.7	99.9	100.0	100.0	99.5 100.0	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100 ≥ 0	81.9		98.6 98.6	98.6		99.7	99.9	LOO+01	L00•01	100.01	100.0 100.0	L00•01	100.0	Loo • ol	Loo.ol	lon•ol

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC JOHN 0-14-5 (GL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

### CEILING VERSUS VISIBILITY

24112

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MALMSTRUM AFB MT/CREAT FALLS GB-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ាទីប៉ីសិដ្ឋបទល

CEILING							VIS	IBILITY 'STA	ATUTE MILE	:5						
1161	≥ 10	<b>∠</b> 6	≥ 5	≥ 4	≥ 3	≥21/2	≥ 2	≥1%	214	≥ı	≥ ¼	۷,	≥',	≥5 16	2.4	≥0
NO CEILING 2 20000	51.9 57.5	7.2 1	51.9 57.5	51.9 57.5		51.9 57.5						51.9 57.5	51.9 57.5		51.9 57.5	51.9 57.5
≥ 18000 ≥ 16000	57.6 57.6	57.6	57.6 57.6		57.0		57.6	57.6 57.6			57.6	57.6 57.6	57.6		57.6 57.6	57.6 57.6
≥ 14000 ≥ 12000	58.2 62.2	62.2	58.2 62.2			62.2	62.2	62.2		62.2	62.2	58.2 62.2	62.2	02.2	62.2	
≥ 9600 ≥ 9600	70.8 72.2	72.2			72.2	72.2	72.2	72.2		72.2	72.2	70 • 8 72 • 2	72.2	72.2	72.2	72.2
≥ 8000 ≥ 7000	77.7	79.2	77•7 75•2		79.2	77.7	79.2	79.2	79.2	79.2	79.2		79.2	79.2	79.2	•••
≥ 6000 ≥ 5000	81.0	83.0			83.0		83.0	83.0	83.0	83.0	53.0	83.0	83.0	83.0	83.0	81.1
± 4500 ± 4000	82.9 84.1 85.2	84.7		84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	83.5
≥ 3500 ≥ 3000	86.6	88.0	86.2 88.2 88.9	88.3	88.5	88.5	88.5	88.5		88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000 ≥ 2000 ≥ 1800	88.1	89.9	90.3	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
2 1500	83.3	90.5	91.3	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2 1000	90.0	93.0	93.8		95.2	95.2	95,2	95.3	95.3	95.3	95.3 95.6	95.3	95.3	95.3	95.3	95.3
≥ 890 ± 700	90.4	93.8	94.5	94.9	95.9	95.9	9,.9	96.0	96.0	96.0	96.7	96.0	96.0	96.0	96.0	96.0
2 500	91.5	95.1	95.8	96.2	97.5	97.6	97.6		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2 400 2 300	91.5		95.8	96.2	97.6	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2 200 2 100	91.7	95.6		97.3	98.8	99.2	99.5	99.7	99.9 100.0	99.9 100.0	99.9	99.9 100.0	99.9 100.0	99.9 100.0	100.0	100.0
. 0	91.7	95.6	96.8	97.3	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112 TARION

MALHSTRUM AFB MT/UREAT FALLS 08-77

MAY

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

(FILING)							VIS	IBILITY (ST.	ATUIE MIL	ESI						
1661	≥10	≥6	≥5	≥ 4	≥3	≥21⁄2	≥ ?	≥1/2	≥114	≥1	<u> </u>	≥ ′,	۷.	≥5 16	٤.	<0
NO (EIUNG ≥ 20000	50.4 58.7	50.5 58.8	50.5 58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8						
≥ 18000 ≥ 16000	58.8 59.1	59.2	58.9 59.2	59.2	59.2	59.2	59.2	58.9 59.2	59.2	59.2	58.9 59.2	59.2			58.9 59.2	58.9 59.2
≥ 14000 ≥ 12000		63.2	59.6 63.2	63.2	63.2	63.2	63.2		63.2	63.2	59.6 63.2	63.7	63.2	63.2	59.6 63.2	- 1
≥ 9000 ≥ 9000	70.0 71.7	71.9	70.2	71.9				71.9		71.9		71.9		71.9		
≥ 8000 ≥ 7000	74.7 76.0 78.1	74.9 76.2 78.4	74.9 76.2 78.4	74.9 76.2	74.9 76.2	76.2	76.2	76.2	76.2		76.2	76.2	76.2	76.2	74.9 76.2	76.2
≥ 6000 ≥ 5000	80.8 81.5	81.3	81.3	81.3	.3	81.3	81.3	81.3	81.3	81.3	78.4 81.3	81.3				81.3
≥ 4500 ≥ 4000 ≥ 3500	83.3	84.3	84.3	84.3	84.3	82.4 84.3	84.3	84.3	82.4 84.3 85.5	84.3		84.3		84.3	84,3	84.3
≥ 3000 ≥ 3000 ≥ 2500	85.7	87.2	87.2	87.2	87.2 88.5	87.2	87.2	87.2	87.2 88.5	87.2	85.5 87.2 88.5	87.2	85.5 87.2	87.2		85.5 87.2
2 2000 2 2000 2 1800	89.0		91.1	91.2	91.3		91.3	91.3		91.3					91.3	
± 1500 ≥ 1200	90.6	92.4		92.9	93.1		93.1	93.1	93.1 95.4	93.1	93.1	93.1	93.1 95.4	93.1	93.1	93.1
2 1000	92.7 92.8	95.7		96.6	97.0	97.0	97.1		97.1		97.1 97.4	97.1	97.1 97.4	97.1		97.1 97.4
≥ 800 ≥ 700	92.9 93.1	96.2	97.0 97.4		97.5	97.5 98.0	97.6	97.6		97.6	97.6 98.1				97.6	
± 600 ± 500	93.4	97.4		98.5	99.0	98.6 99.1	99.2	98.8	98.8	98.8		98.8		98.8	98.8	98.8
≥ 400	93.7	97.5	98.5	98.6 98.6	99.1	99.2	99.4		99.7	99.7	99.5 99.7	99.7		99.6	99.6	99.8
2 200	93.7	97.5		98.6	99.1	99.2	99.4	99.6	99.7	99.8		99.8	99.9	100.0	100.0	00.0
	93.7	97.5	98.5	98.6	99.1	99.2	99.4	99.6	99.7	99.8	99.8	99.8			100.0	

4 A

TOTAL NUMBER OF OBSERVATIONS

930

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USAF ETAC 11.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24,112

MALMSTRUM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-1200-1400

(EIUNG)			·				VIS	BILITY ISTA	ATUTE MIL	ES.						
1161	10 ج	<b>≥</b> 0	≥5	≥4	≥3	≥2%,	≥2	21%	≥1½	≥1	≥ ′4	≥ ′•	≥ ∿,	≥5 16	≥.	≥0
NO CEILING	43.9 56.2		56.2	56.7	56.2	56.2		56.2	56.2			43.9 56.2			1	43.9 56.2
≥ 180000 ≥ 160000		56.5	56.5	56.5		56.5	56.5				56.5 56.5	56.5 56.5				56.5 56.5
≥ 14000 ≤ 12000	57.1 60.0	60.0	60.0	60.0			60.0	57.1 60.0	57.1 60.0		57.1 60.0	57.1 60.0	57.1 60.0	57.1 60.0	57.1 60.0	57 • 1 60 • 0
≥ 10000 ≥ 9000	65.2 65.8			65.8	65.8	65.8	65.8	65.8		65.8	65.2 65.5	65.2 65.8	65.2 65.8		65.2 65.8	65.2 65.8
≥ 8000 ≥ 7000	67.1	68.1	68.1	68.1	67.1 68.1	68.1	68.1	68.1	67.1 68.1	68.1	67.1 68.1	67•1 68•1	67.1 68.1	68.1	67.1 68.1	67.1
≥ 6000 ≥ 5000	70.8	70.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4		• •			70.8
≥ 4500 ≥ 4000	79.6 83.4	79.7 83.7		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	• 1		84.0	84.0	79.8 -84.0
≥ 30 0 ≥ 3 0 0	85.6 87.6	85.8	88.4	88.6		88.6	88.6	88.6		88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500 ≥ 2000	89.5 91.7	90.3	90.4 93.1	93.3	93.3	93.3	93.3		93.3	93.3	93.3	93.3	93.3	93.3	93.3	
≥ 1800	91.9	93.2	93.7		95.4	95.4	95.4		95.4	93.9	95.4	95.4	95.4	95.4	93.9	95.4
≥ 1200 ≥ 1000	93.8 93.8	95.8	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	96.9 97.6	97.6	97.6	97.6	97.6	97.6
≥ 200 ≥ 800	93.8	96.5	97.4	97.6 97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.6 97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		96.9	98.0 98.3	98.6	98.6	98.8	98.9	98.9	98.9	99.0	98.4 99.0	99.0	99.0	99.0	98.4 99.0	99.0
2 4/XI	94.0		98.4 98.6	98.9	99.0	99.7	99.8	99.8	99.8	99.9	99.6 99.9	99.9	99.9	99.9	99.9	99.9
200	94.0	97.0	78.6	98.9	99.2	99.8	99.9	99.9	99.9	10n•0	100•0 100•0	100.0	100.0	100-0	100-0	100.0
: 0	94.0	97.0	98.6	98.9	99.2	99.8	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	TC0*0	100•0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

- J.C. ,

#### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS 68-77

MAY

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING			·		ga ga na sananan dar dira kuma		VIS	IBILITY (ST.	ATUTE MILI	ES.						
1861	≥10	≥6	≥5	≥ 4	≥ 3	≥2 7	≥ 2	≩1'z	≥1'•	<b>≳</b> 1	≥ ′4	≥ .	≥.	≥ 5 16	? .	<0
NO CEILING ± 20000	41.2 52.7	41.2 52.7	1	41.2 52.7	41.2 52.7				52.7	52.7	52.7	52.7		52.7		
≥ 18000 ≥ 16000	53.0 53.0		53.0	53.0	53.0	53.0	53.0	53.0 53.0	53.0	53.0	53.0	53.0	53.0 53.0	53.0		53.0
≥ 14000 ≥ 12000	53.2 56.9	53.2 56.9	56.9	56.9	53.2 56.9		56.9	53.2 56.9		56.9	56.9	56.9	53.2 56.9		53.2 56.9	56.9
≥ 10000 ≥ 9000	66.1	66.1	66.1	64.3 66.1	64.3	66.1	66.1	64.3	66.1	66.1		66.1	64.3	66.1	66.1	64.3
≥ 8000 ≥ 7000	68.7 73.9	68.7 73.9		68.7	68.2 68.7	68.7	68.7	68 • 2 68 • 7 74 • 0	68.7	68.7	68.7	68.7	68.2 68.7 74.0	68.2 68.7 74.0	68.2 68.7 74.0	68.7
≥ 6000 ≥ 5000	80.6	81.4	81.4	81.4	81.5 83.1		81.5	81.5 83.1		81.5	81.5	81.5				81.5
≥ 4500 ≥ 4000 ≥ 3500	85.7	86.6		87.0	87.1 88.9	87.1	87.2	87.2		87.2	87.2	87.2		87.2	87.2	87.2
2 3000	89.0 90.1	90.2	-	90.6		90.9	91.0	91.0	91.0		91.0	91.0	91.0	91.0	91.0	91.0
£ 2000 £ 1800	91.4	93.2		93.8	94.1	94.1			94.2	94.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 150′	93.0	96.1	96.6	97.1	96.7 97.6	97.6	97.7	97.7	97.7	96.8			97.7	97.7	96.8 97.7	
≥ 1000 ≥ 900	93.7	96.2 96.2	96.7	97.3	97.7	97.8		98.0	98.0		98.0	98.0		98.0	98.0	98.0
2 80	94.2	96.9	97.8	98.4		98.9	99.0	99.0	98.6	99.0	99.0	98.6	99.0	99.0	98.6	99.0
2 600	94.2 94.2	97.4	98.6	99.1	99.8	99.9	100.0	100.0	100.0	100.0	99.4	100.0	100.0	100.0	100.0	100.0
2 300 2 200	94.2			99.1	99.8	99.9	00.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 100	94.2	97.4	98.6	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101.64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISOLETE

### CEILING VERSUS VISIBILITY

24112

MALHSTROM AFB MT/GREAT FALLS 68-77

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800=2000

CEILING			······				VIS	BILITY (ST	ATUTE MILI	E\$ <sup>,</sup>						
1111	≥10	≥6	≥5	≥ 4	≥3	≥2'>	≥ 2	≥1',	≥1¼	≥ ;	≥ 14	≥ .	27	≥5 16	≥ .	20
NO CEILING 2 20000	47.6 59.4		59.4	59.4	59.4		47.6 59.4		47.6 59.4					47.6 59.4	47.6 59.4	47.6 59.4
≥ 18000 ≥ 16000	59.8 59.8	,					59 <b>.9</b>	59.9 59.9	59.9 59.9			59.9 59.9	59.9 59.9	59.9 59.9	59.9 59.9	
≥ 14000 ≥ 12000	63.9	64.0		64.0	64.0	64.0	60.4	60.4	60.4 64.0	60.4 64.0	60.4	60.4	60.4	60.4	60.4	64.0
1 ≥ 10000	71.1	71.2	71.2			73.0	71.2 73.0	73.0	71.2 73.0	73.0	73.0	71.2 73.0	71.2 73.0	73.0	71.2 73.0	71.2
≥ 8000 ≥ 7000	75.2 76.7	75.4 76.9	75.4 76.9		76.9	76.9	75.4 76.9	76.9		76.9	76.9		76.9	76.9	75.4 -76.9	76.9
2 6000 2 5000	81.5 85.2	81.8 85.5	81.8 85.5	85.5	85.6	85.6	81.9	85.6		85.6	85.6	85.6	85.6	85.6	81.9 85.6	85.6
± 4500 ± 4000 ± 3500	86.5 88.9 90.3	89.8	86.9 89.9 91.5	89.9	90.0	90.0	87.0 90.0	90.0	87.0 90.0	90.0	90.0	90.0	90.0	90.0	87.0 -90.0	90.0
≥ 3000 ≥ 2500	91.1 92.5	92.2	92.3	91.5 92.3 94.1	92.4	92.4	91.6 92.4	92.4		92.4	92.4	92.4	92.4	92.4	91.6 92.4	92.4
≥ 2000	93.1	94.8		95.1		95.2	94.2 95.2 95.8	55.2	94.2 95.2 95.8	95.2	95.2	95.2	95.2	95.2	94.2 95.2	95.2
≥ 1500	93.9	96.2	96.0 97.1		97.0	97.0		97.0	97.0	97.0	97.0	97.0	97.0	97.0		97.0
≥ 1000	94.4	97.4	97.8 98.2		98.5	98.5	98.5	98.5	98.5 98.9	98.5	98.5	98.5	98.5	98.5		98.5
≥ 800	94.5	97.7	98.2		98.9		98.9 99.1	98.9	98.9 99.1	98.9	98.9					98.9
± 500	94.5	98 • 2 98 • 5	98.7		99.5	99.5		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2 300	94.7	98.5	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	94.7	98.5 98.5	99.0	99.6	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0	100 • 0 100 • 0	100.0 100.0	100.0 100.0	100.0	100.0
L = 0	94.7	98.5	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 11/04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

MAY

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING				-,			VIS	BILITY (STA	TUTE MILI	ESI						
1661	≥ 10	≥6	≥5	≥ 4	≥ 3	≥2'7	≥ 2	≥1%	∡اا≤	≥1	≥ '•	≥ ·,	≥ ,	≥5 16	<i>2</i> 4	40
NO CEILING	44.0	55.8		55.8	55.8			55.8	55.8			55.8	55.8	55.8		
- 20000	49.0	61.5	51.5	61.5	61.5			+	61.5			61.5	61.5			
≥ 18000	49.4	61.8	61.8	61.8	61.8	61.8		61.8	61.8			61.8		:	61.8	
≥ 1900A)	49.6	62.0					62.0		62.0			62.0				
≥ 14000	20.0	02.5	62,5	62.5	62.5	62.5	62.5	62.5	62.5			62.5	62.5		62.5	62.5
≥ 12000	54.5	67.2	67.2	67.2								67.2	67.2			·
≥ 10000	59.9		74.2	74.2	74.2	74.2	74.2	74.2	74.2			74.2	74.2	74.2	74.2	
≥ 9000	61.1	75.9	75.9	75.9	75.9	75.9	75.9			75.9						
≥ 8000	63.2	78.4	78.4	78.4	78.5	78.5	78.5		78.5	78.5	1	78.5	78.5	78.5		1 '
≥ 7000	64.5	79.9	79.9	79.9	80.0	80.0				80.0		80.0	80.0	80.0	80,0	80.0
≥ 6000	66.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0		_		83.0
± 5000	69.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1					86,1	86.1
± 4500)	69.4	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0			87.0	87.0
≥ 4000	70.4	88.6	88.7	88.7	88.8	88.8	88.8	88.8		88.8	88.8	88.8			88,8	88.8
≥ 3500	70.6	89.2	89.5	89.5	89.6	89.6	89.6					89.6	89.6	89.6	89.6	89.6
≥ 3000	71.3	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3		91.3	91.3	91.3	91.3	91.3
= 2500	72.0	92.0	92+5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	72.5	92.6	93.1	93.1	93.3	93.3	93.3	93.3				93.3			93.3	93.3
≥ 1800	73.0	93.5	94.2	94.2	94.4	94.4	94.4	94.4				94.4				94.4
≥ 1500	73.8	94.8	95.5	95.7	96.0	96.0	96.0	96.0				96.0		96.0		96.0
≥ 1200	74.2	95.8	96.8	97.2	97.6	97.6	97.6	97.6		97.6		97.6			97.6	97.6
₫ 1000	74.3	96.0	97.3	97.7	98.2	98.2	98.2	98.2	98.2			98.2			98.2	98.2
≥ 900	74.4	90.3	97.6	98.1		98.5	98.5			98.5		98.5			98.5	98.5
≥ 800	74.4	96.5	97.7	98.2	98.6	98.6	98.6	98.6	98.6		98.6	98.6			98.6	98.6
. 700	74.4	90.5	97.7	98.2	98.6	98.6	98.6	98.7	98.7			98.7		98.7	98.7	98.7
2 600	74.5	96.6	98.2	98.6	99.0	99.0		99.1						99.1	99.1	99.1
≥ 500	74.5			99.2							99.8			99.8		
₹ 400	74.5				99.8											
≥ 300	74.5	96.9	99.0	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 700	74.5		99.0		99.9											
≥ 100	74.5	98.9	99.0	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
- 0	74.5	96.9	99.0	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC NIL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOTHER

|                       |              |              |              |              | `            |              |              |              |              |              |              |              |              |              |              |                  |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| CERLING               |              |              |              |              |              |              | VIS          | BILITY (ST.  | IIM STUTA    | ES)          |              |              |              |              |              |                  |
| FEET                  | ≥10          | ≥6           | ≥5           | ≥ 4          | ≥3           | ≥2''y        | ≥ 2          | ≥1%          | ≥1%          | ≥١           | ≥ /₄         | ≥ ′•         | ≥';          | ≥5 16        | ٠٠ ع         | <b>∠</b> 0       |
| NO CEILING<br>≥ 20000 | 46.8<br>55.1 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7         | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2 | 50.7<br>59.2     |
| ≥ 18000<br>≥ 16000    | 55.3<br>55.5 | 59.4<br>59.6 |              | 59.4         | 59.4         | 59.4         | 59.4         | 59.4<br>59.6 | 59.4         | 59.4         |              | 59.4         | 59.4         | 59.4         |              | 59.4<br>59.6     |
| ≥ 14000<br>≥ 12000    | 55.9<br>59.4 |              |              | •            |              |              | - 1          | 63.6         |              |              |              |              | 60.0         | 60.0         | 60.0         | 60.0             |
| ≥ 10000<br>≥ 9000     | 65.8         |              | . • • -      | 70.3         | 70.3         | 70.3         | 70.3         | 70.3         | 70.3         | 70.3         | 70.3         | 70.3         | 70.3         |              | 70.3         | 70.3             |
| ≥ 8000<br>≥ 7000      | 69.6<br>70.8 |              | , , , -,     | 74.6         | 74.6         | 74.6         | 74.6         | 74.6         | 74.6         | 74.6         | 74.6         | 74.6         | 74.6         |              | 74.6         | 74.6             |
| ≥ 6000<br>≥ 5000      | 73.4         | 78.7<br>82.9 | ,            | 78.8         | 78.8         | 78.8         | 78.8         | 78.8         | 78.8         | 78.8         | 78.8         | 78.8         | 78.8         |              | 78.8         | 78.8             |
| ≥ 4500<br>≥ 4000      | 77.9         | 84.1         | 84.1         | 84.1         | 84.2         | 84.2         | 84.2         | 84.2         | 84.2         | 84.2         | 84.2         | 84.2         | 84.2         |              | 84.2         | 84 • 2<br>86 • 6 |
| ≥ 3500<br>≥ 3000      | 81.1         | 87.7<br>89.3 | 87.9         | 88.0         | 88.1         | 88.1         | 88.1         | 88.1         | 88.1         |              | 88.1         | 88.1         | 88.1         | 88.1         | 88.1<br>89.7 | 88.1             |
| ≥ 2500<br>≥ 2000      | 83.3<br>84.5 |              | 90.8         | 90.9         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         | 91.0         |                  |
| ≥ 1800<br>≥ 1500      | 84.7<br>85.4 | 92.4         | 92.9         | 93.0         | 93.2         | 93.2         |              | 93.3         | 93.3         | 93.3         | 93.3         | 93.3         | 93.3         | 93.3         | 93.3         | 93.3             |
| ≥ 1200<br>≥ 1000      | 86.2<br>86.5 |              | 95.5         | 95.8         | 96.2         | 96.2         | 96.2<br>97.1 | 96.2         | 96.2         | 96.2         | 96.2         | 96.2         |              |              | -            | 96 • 2<br>97 • 1 |
| ≥ 900<br>≥ 800        | 86.6<br>86.8 |              | 96.5         | 96.8         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3         | 97.3             |
| ≥ 700<br>≥ 660        | 86.9<br>87.2 |              | 97.2         | 97.5<br>98.1 | 98.0         | 98.0         | 98.1         | 98.1         |              | 98.1         | 98.1         | 98.1         | 98.1         | 98.1         | 98.1         | 98 · 1<br>98 · 8 |
| ≤ 500<br>≥ 400        | 87.3<br>87.3 |              |              | 98.4<br>98.5 | 98.9         | 99.1         | 99.2         | 99.2         | 99.2         | 99.3         | 99.3         | 99.3         | 99.3         | 99.3         | 99.3         | 99.3             |
| ≥ 300<br>≥ 200        | 87.3<br>87.4 |              |              | 98.6<br>98.8 | 99.2         | 99.5         | 99.6         | 99.7         |              | 99.7         | 99.7         | 99.7         | 99.8         | 99.8         | ·            | 99.8             |
| ≥ 100<br>≥ 0          | 87.4<br>87.4 | 7 7 7 7      | 98.4<br>98.4 | 98.8         | 99.4         | 99.7         |              | 99.9         | 99.9         | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0            |

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112 --

MALMSTROM AFB MT/GREAT FALLS

, 8-77

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING       |      |      |       |      |           |      | VIŞI | BILITY (STA | ATUTE MIII | £5.     |       |       |            |       |             |             |
|---------------|------|------|-------|------|-----------|------|------|-------------|------------|---------|-------|-------|------------|-------|-------------|-------------|
| FEET          | ≥10  | ≥٥   | ≥5    | ≥ 4  | ≥ 3       | ≥2:  | ≥ 2  | ≥1,         | ≥1.        | ≥1      | ≥ ∙₄  | , ≥   | <b>≩</b> , | ≥5 16 | ≥ .         | ٠٥٥         |
| NO CEILING    | 49.9 | 59.6 | 59.6  | ·    | 59.6      | 59.6 |      | 59.6        |            |         | 59.6  |       |            |       |             | 59.6        |
| ≥ 20000       | 55.7 | 67.3 | 67.3  | 67.3 | 67.3      |      |      | 67.3        |            |         |       |       |            |       |             |             |
| ≥ 18000       | 55.7 | 67.3 | 57.3  | 67.3 | 67.3      | 67.3 | 67.3 | 67.3        | 67.3       | 1       | 67.3  |       | 67.3       | 67.3  | "           | - 1         |
| ≥ 16000       | 55.7 | 67.3 | 67.3  | 67.3 | 67.3      |      | 67.3 | 67.3        |            |         |       |       |            |       |             |             |
| ≥ 14000       | 56.2 | 68.1 | 68.1  | 68.1 | 68.1      | 68.1 | 68.1 | 68.1        | 68.1       |         | 68.1  | 68.1  |            | 68.1  | 68.1        | 68 • 1      |
| ≥ 12000       | 60.0 | 72.2 |       | 72.2 | 72.2      | 72.2 |      |             |            | 72.2    |       |       |            |       |             |             |
| ≥ 10000       | 66.0 | 79.8 |       | 79.8 |           |      |      | 79.8        |            |         | 79.8  |       |            |       | 1 1 1       |             |
| ≥ 9000        | 66.7 | 80.6 |       |      |           |      |      |             |            |         | 80.6  |       |            |       |             |             |
| ≥ 8000        | 67.8 | 82.3 |       |      | 82.3      |      | 82.3 | 02.3        | 82.3       |         |       |       |            |       | 82,3        |             |
| <b>≠</b> 7000 | 69.3 | 84.8 | 84.8  |      |           |      | 84.8 |             |            |         | 84.8  |       |            |       |             |             |
| ≥ 6000        | 70.7 | 81.1 | 87.2  |      | 87.2      | 87.2 | 87.2 | 87.2        | _          |         |       | 87.2  |            |       |             |             |
| ≥ 5000        | 72.3 | 89.2 |       | 89.3 |           | 89.3 |      |             |            | 1       | 89.3  |       |            |       |             |             |
| ≥ 4500        | 73.1 | 90.4 |       | 90.7 | 90.8      | _    | -    | 90.8        | -          | 90.8    |       | -     |            |       |             |             |
| ≥ 4000        | 74.7 | 92.1 | 92.3  |      |           |      |      | 92.4        |            |         |       |       |            |       |             |             |
| ≥ 3500        | 75.3 | 92.9 |       | 93.1 | 93.2      | 93.2 | 9;   | 3.2         | 93.2       |         |       |       | 1 .        |       | 1           |             |
| ≥ 3000        | 75.6 | 93.3 |       |      | 93.7      |      |      | ۶.7         |            |         |       |       |            |       |             |             |
| ≥ 2500        | 75.6 |      | 93.9  | 93.9 | 94.0      | 94.0 |      |             |            | 1       |       |       |            | 1     |             |             |
| ≥ 2000        | 75.7 | 94.2 | 94.4  |      |           |      |      |             |            |         |       |       |            |       |             | 94.6        |
| ≥ 1800        | 76.4 | 1    |       | 95.2 | 95.3      | 95.3 | 95.3 |             |            |         |       |       |            | 1     |             |             |
| ≥ 1500        | 76.6 | 95.1 | 1     | 95.3 |           |      | 1    |             |            |         |       |       |            |       |             |             |
| ≥ 1200        | 76.8 | 95.4 |       | 95.7 | 95.8      |      |      |             |            | 1 . * ' |       |       | 1          | 1 .   |             |             |
| ≥ 1000        | 77.2 | 95.9 |       | 96.1 | 96.2      | 96.2 | 96.2 | 96.2        | 96.2       |         |       |       |            |       | 1           |             |
| ≥ 900         | 77.2 | 80.0 |       | 96.2 | 96.3      | 96.3 | 96.3 | 1           | 96.3       |         |       | 1 .   |            |       |             |             |
| ≥ 800         | 77.3 | 96.4 | 1     | 1    |           |      |      | <del></del> |            |         |       |       |            |       | <del></del> | <del></del> |
| 2 /00         | 77.3 | 90.4 |       | I    |           | 97.1 |      | 97.1        | 97.1       | 97.1    | 97.1  | 97.1  | 97.1       | -     | 1 - 1 - 1   | 1 .         |
| 2 800         | 77.3 | 96.9 |       | 1    | 1 _ ` . • |      | 97.8 |             |            |         |       | 97.8  |            |       |             | 97.8        |
| ≥ 500         | 77.3 | 97.4 | 1 - " | 1    |           |      |      | 98.7        | 98.7       | 1       |       |       |            |       | 98.8        |             |
| ≥ 400         | 77.3 | 97.7 | 98.4  | I    | I         | 98.7 | 99.0 |             |            |         |       | 99.1  | 99.1       | 99.1  |             | 99.1        |
| ≥ 300         | 77.6 | 98.4 |       | 99.2 |           | •    |      | 1           |            |         | 1     | 1 "   | 1          |       | 1           | 99.9        |
| ₹ 200         | 77.6 | 1 -  |       | 99.2 |           |      | 99.8 |             |            | 99.9    |       |       | 99.9       |       |             | 99.9        |
| ≥ 100         | 77.6 |      |       | 99.2 |           |      |      | 99.8        |            |         |       |       |            |       |             | 100.0       |
| 2 0           | 77.6 | 98.4 | 99.2  | 99.2 | 99.4      | 99.4 | 99.8 | 99.8        | 99.8       | 100.0   | 100.0 | 100.0 | 100.0      | 100.0 | 100.0       | 100.0       |

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC NEED 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETI

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0300=0500

| r                 |      |      |      |      |      |        |      |              |           |      |      |      |      |       |      | <del></del> |
|-------------------|------|------|------|------|------|--------|------|--------------|-----------|------|------|------|------|-------|------|-------------|
| CELLING           |      |      |      |      |      |        | VIS  | BILITY (ST.  | ATUTE MIL | E5:  |      |      |      |       |      |             |
| 1991              | ≥10  | ≥6   | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 21/2 | ≥ 2  | ≥1.2         | ≥1'4      | ≥1   | ≥ 14 | 5,∗  | ≥ ,  | ≥5 16 | ≥ .  | ≥0          |
| NO CEILING        | 50.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8   | 54.8 | 54.8         | 54.8      | 54.8 | 54.8 | 54.8 | 54.8 | 54.8  | 54.8 | 54.9        |
| ≥ 20000           | 56.8 | 61.9 | 61.9 | 61.9 | 61.9 |        |      |              | 62.0      | 62.0 |      |      |      |       | 1    | 62.1        |
| ≥ 18000           | 56.8 | 61.9 | 61.9 |      |      | 61.9   |      | 62.0         |           |      | 62.0 | 62.0 | 62.0 | 62.0  | 62.0 | 62.1        |
| ≥ 160KN           | 56.8 |      | 61.9 |      |      |        |      | 62.0         | 62.0      | 62.0 | 62.0 | 62.0 |      |       | 62.0 | 62.1        |
| ≥ 14000           | 57.3 | 62.4 | 62.4 | 1    | 62.4 |        |      |              |           | 62.6 |      | 62.6 | 62.6 | 62.6  | 62.6 | 62.7        |
| ≥ 12000           | 61.9 | 67.1 | 67,1 | 67.1 |      |        |      |              |           | 67.2 |      | 67.2 | 67.2 | 672   | 67.2 | 67.3        |
| ≥ 10000<br>≥ 9000 | 69.6 | 75.6 | 75.6 |      | 75.6 |        |      | 75.7         |           |      |      | 75.7 | 75.7 | 75.7  | 75.7 | 75.8        |
| <b>!</b>          | 70.4 |      | 76.4 |      |      |        |      | 76.6         |           |      |      |      |      | _76.6 |      | 76.7        |
| ≥ 8000<br>≥ 7000  | 74.0 | 80.4 | 80.4 |      |      |        |      |              |           |      |      |      |      |       |      | 80.7        |
| <b> </b>          | 75.2 |      | 82.2 |      | 82.2 |        |      | 82.3         |           |      |      |      |      |       | 82.3 | 82.4        |
| ≥ 6000<br>≥ 5000  | 77.2 |      | 84.9 |      | 84.9 | 7 1    |      | 85.0         |           |      |      | 85.0 | 85.0 |       |      | 85.1        |
| ļ                 | 79.0 |      | 88.6 |      | 86.7 |        |      |              |           |      | 86.8 |      |      |       |      | 86.9        |
| ≥ 4500<br>≥ 4000  | 82.0 | 1    |      | ,    |      |        |      | 88.7         | 88.7      |      | 88.7 |      |      |       |      |             |
| ≥ 3500            | 82.9 |      | 91.1 | 90.2 |      |        |      |              |           | 90.3 |      |      |      | 90.3  |      | 20.4        |
| ≥ 3000            | 83.7 | 1    |      | 92.0 |      |        | 71.1 | 91.2         | 71.4      |      | 91.2 |      |      |       |      | -           |
| ≥ 2560            | 84.2 |      |      |      |      |        |      |              |           | 92.1 |      |      |      | 92.1  | 92.1 | 92.2        |
| ≥ 2000            |      | 93.1 | 93.2 |      | 93.2 |        |      | 92.8<br>93.3 | 72.0      | 92.8 |      | 92.8 |      |       | 92.8 | 92.9        |
| ≥ 1800            |      | 53.3 |      | 93.4 |      |        |      |              |           |      | 93.6 |      |      |       |      | 93.4        |
| ≥ 1500            | 85.0 |      | 94.2 |      | - 1  | 94.2   |      | 94.3         |           |      |      |      |      |       | 1    | 93.7        |
| ≥ 1200            | 85.0 | 94.6 | 94.7 |      |      |        |      |              |           |      | 94.8 |      |      |       |      | 94.4        |
| ≥ 1000            | 85.1 |      | 95.0 | 1    |      | 95.0   | 95.0 | 95.1         | 95.1      | 95.1 |      |      |      | 95.1  |      | 95.2        |
| ≥ 900             | 85.2 |      | 95.2 |      | 95.2 | 95.2   |      |              |           |      | 95.3 |      |      |       |      | 95.4        |
| ≥ 800             | 85.3 |      | 95.8 |      |      |        |      |              |           |      |      | 95.9 | 95.9 | 95.9  | 95.9 |             |
| 2 700             | 85.6 | 96.1 | 96.3 |      |      | 96.3   | 96.4 | 96.6         | 96.6      | 96.6 | 96.6 |      |      |       |      |             |
| ≥ 600             | 85.8 | 96.8 | 97.0 |      |      | 97.0   | 97.1 |              | 97.3      |      | 97.4 |      | 97.4 |       | 97.4 |             |
| ≥ 500             | 85.8 | 97.1 | 97.3 |      |      |        |      |              |           |      | 98.0 | 98.0 |      |       |      |             |
| 2 400             | 85.9 | 97.2 | 97.4 | 97.4 |      |        | 98.0 | 98.2         | 98.2      | 98.2 | 98.3 |      |      | 98.3  |      |             |
| 2 300             | 86.2 | 98.1 | 98.3 | 98.3 | 98.4 |        |      |              |           | 99.1 |      | 99.2 |      | 99.3  |      |             |
| ≥ 200             | 86.2 | 98.1 | 98.3 | 98.3 | 98.6 | 98.6   | 99.1 | 99.3         | 99.3      | 99.3 | 99.4 |      | 99.4 |       | 99.8 |             |
| ≥ 100             | 86.2 |      | 98.3 | 98.3 | 98.6 | 98.6   | 99.1 | 99.3         | 99.3      | 99.3 |      | 99.4 | 99.4 |       | 99.8 |             |
| <u> </u>          | 86.2 | 98.1 | 98.3 | 98.3 | 98.6 | 98.6   | 99.1 | 99.3         | 99.3      | 99.3 | 99.4 | 99.4 |      | 99.8  | 99.8 | امموا       |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10,00 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 0600÷0800</u>

|                            |              |              |                      |                      |              |              | VIS          | IBILITY (STA | TUTE MILE            | 51                   |                      |                      |                      |                      |                      |                            |
|----------------------------|--------------|--------------|----------------------|----------------------|--------------|--------------|--------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| CEILING<br>FEET            | ≥10          | ≥6           | ≥ 5                  | ≥ 4                  | <b>≟</b> 3   | ≥2'⁄2        | ≥2           | ≥1%          | 21 ′د                | ≥1                   | ≥ '₄                 | ≥,•                  | ≥,,                  | ≥ 5 16               | ≥ .                  | ≥0                         |
| NO CEILING<br>≥ 20000      | 50.9<br>60.4 | 51.1         | 51.2<br>60.9         | 51.2<br>60.9         | 51.2         | 51.2         |              |              | 51.2<br>60.9         | 51.2                 |                      |                      |                      |                      |                      | 51.2<br>61.0               |
| ≥ 18000                    | 60.6         | 60.9         | 61.0                 | 61.0                 | 61.0         | 61.0         | 61.0         | 61.0         | 61.0                 | 61.0<br>61.0         | 61.0<br>61.0         |                      |                      | . 1                  | -                    | 61.1                       |
| ≥ 14000<br>≥ 12000         | 61.0         | 65.8         | 65.9                 | 61.4                 | 61.4         | 61.4<br>65.9 | 61.4         | 65.9         | 61.4                 | 61.4                 | 61.4<br>65.9         | 61.4                 | 65.9                 |                      | 61.4                 | 66.0                       |
| ≥ 10000<br>≥ 9000          | 71.7         | 74.9         | 72.3<br>75.0         | 72.3<br>75.0         | 72.3<br>75.0 | 72.3<br>75.0 | 72.3<br>75.0 | 75.0         | 72.3<br>75.0         | 72.3<br>75.0         | 72.3                 | 72.3<br>75.0         | 75.0                 |                      |                      | 75.1                       |
| ≥ 8000<br>≥ 7000           | 77.8         |              | 78.7<br>79.9         |                      | 78.7<br>79.9 | 78.7<br>79.9 | 78.7<br>79.9 |              | 78.7                 | 78.7                 | 78.7<br>79.9         |                      | 78.7<br>79.9<br>82.7 | 78.7<br>79.9<br>82.7 | 78.7<br>79.9<br>82.7 | 78 • 8<br>80 • 0<br>82 • 8 |
| ≥ 6000<br>≥ 5000           | 81.6         | 85.3         | 82.7<br>85.4         | 82.7<br>85.4         | 82.7<br>85.4 | 82.7<br>85.4 | 82.7<br>85.4 |              | 82.7<br>85.4<br>86.6 | 82.7<br>85.4<br>86.6 | 82.7<br>85.4<br>86.6 | 82.7<br>85.4<br>86.6 | 85.4                 | 85.4                 | 85,4                 | 85.6                       |
| ≥ 4500<br>≥ 4000           | 87.6<br>88.9 | 86.4<br>89.4 | 86.6<br>89.7<br>91.0 | 86.6<br>89.7<br>91.0 | 89.8         |              |              |              | 89.8                 | 89.8                 | 89.8                 | 89.8                 |                      |                      |                      | 89.9                       |
| ≥ 3500<br>≥ 3000           | 88.9         | 90.9         | -                    | 91.2                 | 91.3         | 91.3         | 91.3         | 91.3         | 91.3                 | 91.3                 | 91.3                 | 91.3                 | 91.3                 | 91.3                 | 91.3                 | 91.4                       |
| ≥ 2500<br>≥ 2000<br>≥ 1800 | 90.1         | 92.2         | 92.7                 | 92.7                 | 92.9         |              | 92.9         | 92.9         |                      | 92.9                 | 92.9                 | 92.9                 | 92.9                 | 92.9                 |                      |                            |
| ≥ 1800                     | 90.4         | 92.8         | 93.4                 | 93.4                 | 93.7         | 93.7         | 93.7         | 93.7         | 93.7                 | 93.7                 | 93.7                 | 93.7                 |                      |                      | 94.8                 | 93.8                       |
| ≥ 1000<br>≥ 900            | 1            | 94.0         | 95.1<br>95.2         | 95.1                 | 95.4<br>95.6 |              |              |              | -                    |                      | 95.4<br>95.6         | 95.4<br>95.6         |                      | 95.6                 | 95.6                 | 95.7                       |
| ≥ 800<br>≥ 700             | 90.9         |              | 96.0                 | 96.3                 |              | 96.7         | 96.7         | 96.7         | 96.7                 | 96.7                 | 96.7                 | 96.7                 | 96.7                 | 96.7                 | 96.7                 | 96.8                       |
| ≥ 600<br>≥ 50G             | 91.3         | 95.3         | 96.8                 | 97.2                 | 97.4         | 97.7         | 97.8         | 97.8         | 97.4                 |                      | . ,                  | 98.1                 | 98.1                 | 98.1                 | 98.1                 | 98.2                       |
| ≥ 400                      | 91.9         | 95.9         | 97.4                 | 98.1                 | 98.7         | 98.7         | 98.9         | 98.9         | -                    |                      | 99.3                 | 99.3                 | 99.3                 | 99.3                 | 99.3                 |                            |
| 2 700<br>2 100<br>2 0      |              | 96.0         | 97.6                 | 98.2                 |              | 98.8         | 99.1         | 99.1         | 99.2<br>99.2<br>99.2 | 99.4                 | 99.6                 |                      | 99.6                 | 99.6                 | 99.7                 | 100.0                      |

TOTAL NUMBER OF OBSERVATIONS

900

LICAE ETAC NIA (0-14-5 (OL A) MENOUS (DITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>\_0900=1100</del>

|              |                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     | . VIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IBILITY (STA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ATUTE MILI                                            | ESI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                        |                                                                                                                                                                                                                     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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      |
| 93.7         | 97.7                                                                                                                                                                         | 98.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 98.9                                                                                                                    | 99.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 99.3                                                                                                | 99.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.9                                                  | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100.0                                                  | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100.0                                                                |
|              | 54.7<br>63.6<br>63.8<br>64.0<br>65.1<br>68.7<br>77.2<br>77.8<br>77.9<br>83.0<br>84.3<br>87.6<br>89.0<br>91.1<br>91.2<br>91.3<br>92.4<br>93.0<br>93.7<br>93.7<br>93.7<br>93.7 | 54.7 54.8<br>63.6 63.9<br>63.8 64.1<br>64.0 64.3<br>65.1 65.4<br>68.7 69.0<br>74.3 74.8<br>75.0 75.4<br>77.2 77.7<br>77.8 78.2<br>79.9 80.4<br>83.0 83.7<br>84.3 85.1<br>87.6 88.8<br>89.6 91.1<br>90.2 92.9<br>91.2 93.0<br>91.3 93.2<br>91.3 97.6<br>93.7 97.6<br>93.7 97.7 | 54.7 54.8 54.8 63.6 63.9 63.9 63.9 63.8 64.1 64.1 64.1 64.3 64.3 65.1 65.4 65.4 77.2 77.7 77.7 77.8 78.2 78.2 78.2 78.2 | 54.7 54.8 54.8 54.9 63.6 63.9 64.0 63.8 64.1 64.1 64.2 64.0 64.3 64.3 64.4 65.1 65.4 65.6 68.7 69.0 69.0 69.1 74.3 74.8 74.8 74.8 74.9 75.0 75.4 75.4 75.6 77.2 77.7 77.7 77.8 78.2 78.2 78.3 79.9 80.4 80.4 80.6 83.0 83.7 83.8 85.1 85.1 85.2 87.6 88.8 88.9 89.0 89.6 91.1 91.2 91.3 90.2 91.1 91.2 91.3 90.2 91.1 91.2 91.3 90.2 91.1 91.2 91.3 90.2 91.1 91.2 91.3 90.2 91.1 91.2 91.3 90.2 91.1 91.2 91.3 90.7 97.6 98.8 89.0 93.0 93.1 93.2 91.3 93.0 93.1 93.2 91.3 93.0 93.1 93.2 91.3 93.0 93.1 93.2 91.3 93.0 93.1 93.2 91.3 93.0 93.1 93.2 91.3 93.0 93.1 93.2 91.3 93.0 93.1 93.2 93.3 93.4 92.0 94.6 94.7 94.8 92.0 94.6 94.7 94.8 92.0 94.6 94.7 94.8 92.0 94.6 94.7 94.8 93.7 97.6 98.2 98.6 93.7 97.6 98.2 98.6 93.7 97.6 98.2 98.6 93.7 97.6 98.2 98.6 93.7 97.7 98.3 98.9 93.7 97.7 98.3 98.9 93.7 97.7 98.3 98.9 | 54.7 54.8 54.8 54.9 54.9 63.6 63.9 63.9 64.0 64.0 64.0 64.2 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 | 54.7       54.8       54.8       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       64.0       65.6       65.6       65.6       65.6       65.6       65.6       68.0       68.0       68.0       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       69.1       71.9       71.9       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8       71.8 | 210       26       25       24       23       22%       22         54.7       54.8       54.8       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       54.9       64.0       64.0       64.0       64.0       64.0       64.0       64.2       64.2       64.2       64.2       64.2       64.2       64.4       64.4       64.4       64.4       64.4       64.4       64.4       64.4       64.4       64.4       64.4       64.4       64.4       65.6       65.6       65.6       65.6       65.6       65.6       65.6       65.6       65.6       65.6       65.6       65.6       65.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       75.6       83.7       83.8       83.8       83.8       83.8       83.8 <td>\$\begin{array}{c c c c c c c c c c c c c c c c c c c </td> <td>≥10         ≥6         ≥5         ≥4         ≥3         ≥2%         ≥2         ≥1%         ≥1%           54.7         54.8         54.8         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9</td> <td>54.7 54.8 54.8 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9</td> <td>210         26         25         24         23         22%         22         21%         21%         21         23           54.7         54.8         54.8         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         64.0         64.0         64.0         64.0         64.0         64.0         64.0         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.1         64.1         67.1         <t< td=""><td>\$\frac{20}{64.0}\$ \$\frac{25}{64.0}\$ \$\frac{24}{64.0}\$ \$\frac{24}{6</td><td>\$\frac{20}{20}\$  \text{20}\$  \text{20}\$  \text{20}\$  \text{20}\$  \text{21}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{42}\$  \text{44}\$  \text{64}\$   \text{64}\$   \text{64}\$   \text{64}\$   \text{64}\$    \text{64}\$                                                                                                                                                                                                             </td><td>\$\gamma_{63.4}\$         \$\gamma_{54.7}\$         \$\gamma_{44.9}\$         \$\gamma_{4</td><td>\$\frac{2}{10}\$ \begin{array}{c c c c c c c c c c c c c c c c c c c </td></t<></td> | \$\begin{array}{c c c c c c c c c c c c c c c c c c c | ≥10         ≥6         ≥5         ≥4         ≥3         ≥2%         ≥2         ≥1%         ≥1%           54.7         54.8         54.8         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9 | 54.7 54.8 54.8 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 | 210         26         25         24         23         22%         22         21%         21%         21         23           54.7         54.8         54.8         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         54.9         64.0         64.0         64.0         64.0         64.0         64.0         64.0         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.4         64.1         64.1         67.1 <t< td=""><td>\$\frac{20}{64.0}\$ \$\frac{25}{64.0}\$ \$\frac{24}{64.0}\$ \$\frac{24}{6</td><td>\$\frac{20}{20}\$  \text{20}\$  \text{20}\$  \text{20}\$  \text{20}\$  \text{21}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{42}\$  \text{44}\$  \text{64}\$   \text{64}\$   \text{64}\$   \text{64}\$   \text{64}\$    \text{64}\$                                                                                                                                                                                                             </td><td>\$\gamma_{63.4}\$         \$\gamma_{54.7}\$         \$\gamma_{44.9}\$         \$\gamma_{4</td><td>\$\frac{2}{10}\$ \begin{array}{c c c c c c c c c c c c c c c c c c c </td></t<> | \$\frac{20}{64.0}\$ \$\frac{25}{64.0}\$ \$\frac{24}{64.0}\$ \$\frac{24}{6 | \$\frac{20}{20}\$  \text{20}\$  \text{20}\$  \text{20}\$  \text{20}\$  \text{21}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{22}\$  \text{42}\$  \text{44}\$  \text{64}\$   \text{64}\$   \text{64}\$   \text{64}\$   \text{64}\$    \text{64}\$ | \$\gamma_{63.4}\$         \$\gamma_{54.7}\$         \$\gamma_{44.9}\$         \$\gamma_{4 | \$\frac{2}{10}\$ \begin{array}{c c c c c c c c c c c c c c c c c c c |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24117

MALMSTROM AFB MT/GREAT FALLS

68-77

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-140

| CEILING                    |                      |              |                      |                      |              |                      | ViS                  | IBILITY (ST.         | LTUTE MIL            | £5:                  |                      |                      |              |                      |                      |              |
|----------------------------|----------------------|--------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|--------------|
| FEET                       | ≥10                  | .≥6          | ≥5                   | ≥4                   | ≥3           | ≥2%                  | ≥2                   | ≥1%                  | ≥1¼                  | ≥1                   | ≥ 1,4                | ≥ ⅓                  | ≥ 'י         | ≥ 5/16               | ≥′.                  | ≥0           |
| NO CEILING<br>≥ 20000      | 49.4                 | 61.0         | 49.4<br>61.0         | 61.0                 |              | 61.0                 |                      |                      | 49.4                 |                      | , , ,                | 49.4<br>61.0         | 49.4         | 49.4                 | 61.0                 |              |
| ≥ 18000<br>≥ 16000         | 61.4                 | 61.8         | 61.8                 | 61.8                 | 61.8         | 61.8                 |                      | 61.8                 | 61.8                 | 61.8                 | 61.8                 | 61.6                 | 61.6         | 61.6                 | 61.6                 | 61.8         |
| ≥ 14000<br>≥ 12000         | 66.0                 |              | 66.3                 |                      | 66.3         |                      | 66.3                 | 63.1                 | 66.3                 | 63.1                 |                      | 63.1<br>66.3         |              | 66.3                 | 66.3                 |              |
| ≥ 10000<br>≥ 9000          | 70.1<br>71.1<br>74.1 | 71.4         | 70.4                 | 70.4                 | 70.4         | 70.4<br>71.4         | 70.4                 | 70.4<br>71.4         | 70.4                 | 70.4                 | 70.4                 | 70.4                 | 70.4         | 70.4                 | 70.4<br>71.4         | 71.4         |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 75.3                 | 1 4 4 4 4    | 75.8                 | 75.8<br>80.0         | 75.8<br>80.0 | 75.8                 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8 | 74.4<br>75.8<br>80.0 | 74.4<br>75.8         | 75.8         |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 83.8                 | 84.3         | 84.3                 |                      | 84.3         | 84.3                 | 84.3                 | 84.3                 | 84.3                 | 84.3                 | 84.3                 | 84.3                 | 84.3         | 84.3                 | 84,3                 | 84.3         |
| ≥ 4000                     | 89.6                 | 90.6         | 90.6                 | 90.6                 | 90.6         |                      | 90.6                 | 90.6                 |                      | 90.6                 | 90.6                 | 90.6                 | 90.6         |                      | 90.6                 | 90.6         |
| ≥ 3000                     | 92.2                 | 93.9         | 93.9                 |                      | 93.9         |                      | 93.9                 | 93.9                 | 93.9                 | 93.9                 | 93.9                 | 93.9                 | 93.9         | 93.9                 | 93.9                 | 93.9         |
| ≥ 2000                     | 94.6                 | 97.2         | 96.8                 | 97.2                 | 96.8         | 97.2                 | 96.8                 | 96.8                 | 96.8                 | 96.8                 |                      | 96.8                 |              | 96.8                 | 96.8                 |              |
| ≥ 1500                     | 95.4                 | 99.2         | 98.1                 | 99.3                 | 98.1         | , , ,                | 98.1                 | 98.1                 | 98.1                 | 1 : " ; -            |                      | 98.1                 | 98.1         | 98.1                 | 98.1                 | 1 1          |
| ≥ 1000<br>≥ 900<br>≥ 800   | 96.0<br>96.0         | 99.6         | 99.7<br>99.7<br>99.7 | 99.7<br>99.7<br>99.7 | 99.7         | 99.7<br>99.7<br>99.7 | 99.7<br>99.7<br>99.7 | 99.7<br>99.7<br>99.7 | 99.7<br>99.7<br>99.7 | 99.7<br>99.7<br>99.7 | 99.7<br>99.7         | 99.7                 | 99.7<br>99.7 | 99.7<br>99.7         | 99.7<br>99.7<br>99.7 | 99.7<br>99.7 |
| ≥ 700<br>≥ 600             | 96.0                 | 99.7         | 99.8                 | 99.8                 | 99.9         | 99.9                 | 99.9                 |                      | 99.9                 |                      | 99.9                 | 99.7                 | 99.9         | 99.9                 | 99.9                 | <del></del>  |
| ≥ 500<br>≥ 400             | 96.1                 | 99.8         | 99.9                 | 99.9                 | 100.0        | 00.0                 | 00.0                 | 100.0                | 100.0                | 100.0                | 100.0                | 100.0                | 100.0        | 100.0                | 100.0                |              |
| ≥ 300<br>≥ 200             | 96.1<br>96.1         | 99.8<br>99.8 | 99.9                 | 99.9                 | 100.0        | 0.0                  | 00.0                 | 100.0                | 700 • 0<br>700 • 0   | 100.0<br>100.0       | 100.0                | 100.0                | 100.0        | 100 • 0<br>100 • 0   | 100.0                | 00.0         |
| ≥ 100<br>≥ 0               | 96.1                 | 99.8         | 99,9                 | 99.9                 | 100.0        | 100.0                | 100.0                | 100.0                | 100.0                | 100.0                | 100.0                | 100.0                | 100.0        | 100.0                |                      | 100.0        |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

WHITH -

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-1500-1700

| CEILING               | <del></del>      |              | <del> </del>   |                |                    |                | VIS            | IBILITY (ST    | ATUTE MIL      | ES)            |                | ·                |               |               |              |               |
|-----------------------|------------------|--------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|---------------|---------------|--------------|---------------|
| FEET.                 | ≥10              | ≥6           | ≥5             | ≥4             | ≥3                 | ≥21/2          | ≥2             | ≥1⅓            | 21%            | ≥1             | ≥ ¾            | ≥ %              | ≥%            | ≥ 5/16        | >:4          | ≥0            |
| NO CEILING<br>≥ 20000 | 42.3             | 42.6         | 42.6<br>55.7   |                |                    |                |                | 42.6           | 42.6           | 42.6           | 42.6           | 42.6             | 42.6          | 42.6          | 42,6         | 42.6          |
| ≥ 18000<br>≥ 16000    | 55.8<br>56.2     | 56.1<br>56.6 |                |                | 56.1<br>56.6       |                | 56.1<br>56.6   | 56.1<br>56.6   | 56.1<br>55.6   | 56.1<br>56.6   | 56.1           | 56.1             | 56.1          | 56.1          | 56.1         | 56.1          |
| ≥ 14000<br>≥ 12000    | 58.2<br>63.1     | 58.6<br>63.4 | 58.6<br>63.4   | 58.6<br>63.4   | 58.6<br>63.4       |                | 38.6<br>63.4   | 58.6<br>63.4   | 58.6           | 58.6<br>63.4   | 58.6           |                  |               | 58.6          | 58.6         | 58.6          |
| ≥ 10000<br>≥ 9000     | 57.6<br>68.3     | 67.9         | 67.9<br>68.7   | 67.9           | 67.9               | 67.9<br>68.7   | 67.9           | 67.9           | 67.9           | 67.9           | 67.9<br>68.7   | 67.9             | 67.9          | 67.9          | 67.9         | 67.9          |
| ≥ 8000<br>≥ 7000      | 72.1             | 72.4         | 72,4<br>75,2   | 72.4<br>75.2   |                    | 72.4           | 72.4           | 72.4<br>75.2   | 72.4           | 72.4           | 72.4           | 72.4             | 72.4          | 72.4          | 72.4         | 72.4          |
| ≥ 6000<br>≥ 5000      | 79.3<br>86.6     | 80.0<br>87.4 |                |                |                    |                |                |                | 80 · 0         | 80.0<br>87.4   | 80.0           | 80 • 0<br>87 • 6 | 80.0<br>87.4  | 80.0<br>87.4  | 80.0<br>87.4 | 80.0          |
| ≥ 4500<br>≥ 4000      | 87.3<br>91.7     | 88.2<br>92.8 |                |                |                    |                |                | 88.4<br>93.0   | 88.4           | 88.4           | 88.4           | 88.4             | 88.4<br>93.0  | 88.4          | 88.4         | 88.4          |
| ≥ 3500<br>≥ 3000      | 92.6<br>93.5     | 93.7         | 93.9<br>94.9   | 94.9           | 94.9               |                |                |                |                |                |                |                  | 93.9          |               | 93.9         | 93.9          |
| ≥ 2500<br>≥ 2000      | 95·3<br>96·0     | 96.6         |                | 7 -            |                    | 96.8           | 96.8           | 96.8           |                | 96.8           | 96.8           |                  | 96.8          |               | 96.8         | 96.8          |
| ≥ 1800<br>≥ 1500      | 96 • 1<br>96 • 4 | 97.7<br>98.2 |                |                | -                  |                |                |                | 98.0<br>98.7   |                |                | 98.0             | 98.0<br>98.7  | 98.0          | 98.0         |               |
| ≥ 1200<br>≥ 1000      | 97·0<br>97·0     | 99.2         |                |                |                    |                | 99.7<br>99.8   | 99.7           |                | 99.7<br>99.8   |                | 99.7             | 99.7          | 99.7          | 99.7         | 99.7          |
| ≥ 900<br>≥ 800        | 97.0<br>97.0     |              | 100.0          | 100.0          | 100.0              | 100.0          | 100.0          | 100-0          | 100.0          | 100.0          | 99.9           | 100.0            | 99.9<br>100.0 | 99.9<br>100.0 | 99.9         | 99.9<br>100.0 |
| ≥ 700<br>≥ 600        | 97.0<br>97.0     | 99.2         | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0     | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0            | 100.0         | 100.0         | 100,0        | 100.0         |
| ≥ 500<br>≥ 400        | 97.0<br>97.0     | 99.2         | 100.0          | 100.0<br>100.0 | 100 • 0<br>100 • 0 | 100.0          | 100.0          | 100.0          | 100.0<br>100.0 | 100+0<br>100+0 | 100.0          | 100.0            | 100.0         | 100.0         | 100.0        | 100.0         |
| ≥ 300<br>≥ 200        | 9/00             | 99.2         | 100.0          | 100.0          | 100.0<br>100.0     | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0<br>100.0 | 100.0          | 100.0            | 100.0         | 100.0         | 100.0        | 100.0         |
| ≥ 100<br>≥ 0          | 71.0             | 77.6         | 100.0<br>100.0 | 100+0          | 100.0              | 100.0          | 100.0          | 100.0          | 100.0          | 100.0          | 100.0          | 100.0            | 100.0         | 100.0         | 100-0        | Innin         |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

์ วักัท

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

| 5 ≥4 ≥3<br>•1 43•1 43•1<br>•8 56•8 56•8<br>•1 57•1 57•1<br>•2 57•2 57•2<br>•4 58•4 58•4<br>•6 62•8 62•8<br>•6 69•6 69•6<br>•2 71•2 71•2<br>•1 75•1 75•1<br>•8 78•8 78•8<br>•1 84•1 84•2 | ≥2½ ≥2  43.1 43.1  56.6 56.6  57.1 57.1  57.2 57.2  58.4 58.4  62.8 62.8  69.6 69.6  71.2 71.2  75.1 75.1  78.8 78.8  84.2 84.2                                                                                                                                                                            | 21½ ≥1¼  43.1 43.1 56.8 56.6 57.1 57.1 57.2 57.2 58.4 58.4 62.8 62.8 69.6 69.6 71.2 71.2 75.1 75.1 78.8 78.8                                                                                                                                                                                                                                                                                                                                                                          | 21 24<br>43.1 43.1<br>56.8 56.8<br>57.1 57.1<br>57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1<br>78.8 78.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 43.1 43.1 56.8 56.8 57.1 57.1 57.2 57.2 57.2 58.4 58.4 62.8 62.8 69.6 69.6 71.2 71.2 75.1 75.1       | 25 16 2 1<br>43.1 43.1<br>56.8 56.8<br>57.1 57.1<br>57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1 | 57.1<br>57.2<br>58.4<br>62.8                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| ,8 56.8 56.8<br>,1 57.1 57.1<br>,2 57.2 57.2<br>,4 58.4 58.4                                                                                                                            | 56.8 56.8<br>57.1 57.1<br>57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1<br>78.8 78.8                                                                                                                                                                                          | 56.8 56.6 57.1 57.1 57.2 57.2 57.2 58.4 58.4 62.8 62.8 69.6 69.6 71.2 71.2 75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                  | 56.8 56.8<br>57.1 57.1<br>57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 56.8 56.8<br>57.1 57.1<br>57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1 | 56.8 56.8<br>57.1 57.1<br>57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2                                        | 56.8<br>57.1<br>57.2<br>58.4<br>62.8<br>69.6<br>71.2           |
| •1 57•1 57•1<br>•2 57•2 57•2<br>•4 58•4 58•4<br>•8 62•8 62•8<br>•6 69•6 69•6<br>•2 71•2 71•2<br>•1 75•1 75•1<br>•8 78•8 78•8<br>•1 84•1 84•2                                            | 58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1<br>78.8 78.8                                                                                                                                                                                                                                 | 58.4 58.4<br>62.8 62.3<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 69.6 69.6<br>71.2 71.2<br>75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1                           | 57.2 57.2<br>58.4 58.4<br>62.8 62.8<br>69.6 69.6<br>71.2 71.2                                                                  | 57.2<br>58.4<br>62.8<br>69.6<br>71.2                           |
| .4 58.4 58.4<br>.8 62.8 62.8<br>.6 69.6 69.6<br>.2 71.2 71.2<br>.1 75.1 75.1<br>.8 78.8 78.8<br>.1 84.1 84.2                                                                            | 62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1<br>78.8 78.8                                                                                                                                                                                                                                              | 62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                                                      | 69.6 69.6<br>71.2 71.2<br>75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 62.8 62.8<br>69.6 69.6<br>71.2 71.2<br>75.1 75.1                                                     | 62.8 62.8<br>69.6 69.6<br>71.2 71.2                                                                                            | 62.8<br>69.6<br>71.2                                           |
| .6 69.6 69.6<br>.2 71.2 71.2<br>.1 75.1 75.1<br>.8 78.8 78.8<br>.1 84.1 84.2                                                                                                            | 71.2 71.2<br>75.1 75.1<br>78.8 78.8                                                                                                                                                                                                                                                                        | 71.2 71.2 75.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 71.2 71.2<br>75.1 75.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 71.2 71.2<br>75.1 75.1                                                                               | 71.2 71.2                                                                                                                      | 71.2                                                           |
| .1 75.1 75.1<br>.8 78.8 78.8<br>.1 84.1 84.2                                                                                                                                            | 78.8 78.8                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                      | 75.1 75.1                                                                                                                      | 7 2 1                                                          |
| +1 87 1 84 2                                                                                                                                                                            | MA 7  NA 7                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 78.8 78.8                                                                                            | 78.8 78.8                                                                                                                      | 78.8                                                           |
| · Y 87.0 89.3                                                                                                                                                                           | 89.3 89.3                                                                                                                                                                                                                                                                                                  | 84.2 84.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 84.2 84.2<br>89.6 89.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 84.2 84.2<br>89.6 89.6                                                                               | 84.2 84.2<br>89.6 89.6                                                                                                         | 89.6                                                           |
| 9 93.0 93.3                                                                                                                                                                             | 93.3 93.3                                                                                                                                                                                                                                                                                                  | 93.4 93.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 93.6 93.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 93.6 93.6                                                                                            | 93.6 93.6                                                                                                                      | 93.6                                                           |
| 0 95.1 95.4                                                                                                                                                                             | 95.4 95.4                                                                                                                                                                                                                                                                                                  | 95.6 95.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95.7 95.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 95.7 95.7                                                                                            | 95.7 95.7                                                                                                                      | 94.9<br>95.7<br>96.8                                           |
| .8 96.9 97.3                                                                                                                                                                            | 97.3 97.3                                                                                                                                                                                                                                                                                                  | 97.4 97.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 97.6 97.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 97.6 97.6                                                                                            | 97.6 97.6                                                                                                                      | 1                                                              |
| 9 97.0 97.6<br>4 97.8 98.4                                                                                                                                                              | 97.6 97.6                                                                                                                                                                                                                                                                                                  | 97.7 97.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 97.8 97.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 97.8 97.8                                                                                            | 97.8 97.8                                                                                                                      |                                                                |
| .9 98.2 98.9<br>.9 98.3 99.0                                                                                                                                                            | 98.9 98.9                                                                                                                                                                                                                                                                                                  | 99.1 99.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.2 99.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99.2 99.2                                                                                            | 99.2 99.2                                                                                                                      | 99.2                                                           |
| 9 98.3 99.0<br>0 98.4 99.1                                                                                                                                                              | 99.0 99.0                                                                                                                                                                                                                                                                                                  | 99.2 99.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.4 99.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99.4 99.4                                                                                            | 99.3 99.3                                                                                                                      | 99.4                                                           |
| 0 98.4 99.1                                                                                                                                                                             | 99.1 99.1                                                                                                                                                                                                                                                                                                  | 99.3 99.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.8 99.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99.4 99.4                                                                                            | 99.4 99.4                                                                                                                      | 99.4<br>99.8                                                   |
| ·2 98.7 99.3<br>·2 98.7 99.3                                                                                                                                                            | 99.4 99.4                                                                                                                                                                                                                                                                                                  | 99.7 99.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.8 99.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99.9 99.9                                                                                            | 99.9 99.9                                                                                                                      | 99.9                                                           |
| 2 98.7 99.3                                                                                                                                                                             | 99.4 99.4                                                                                                                                                                                                                                                                                                  | 99.7 99.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.8 99.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99.9100.0                                                                                            | 100.0100.0                                                                                                                     | 100.0                                                          |
| ٠,                                                                                                                                                                                      | 93.4 91.8<br>9.9 93.0 93.3<br>1.2 94.3 94.7<br>1.0 95.1 95.4<br>1.0 96.1 96.6<br>1.0 96.1 96.6<br>1.0 97.0 97.4<br>1.0 97.8 98.4<br>1.9 98.2 98.9<br>1.0 98.4 99.1<br>1.0 98.4 99.1<br>1.0 98.4 99.1<br>1.0 98.4 99.1<br>1.0 98.4 99.1<br>1.0 98.7 99.3<br>1.2 98.7 99.3<br>1.2 98.7 99.3<br>1.2 98.7 99.3 | 93.4 91.8 91.8 91.8 91.8<br>93.0 93.3 93.3 93.3<br>92.94.3 94.7 94.7 94.7<br>95.1 95.4 95.4 95.4<br>96.9 97.3 97.3 97.3<br>97.0 97.4 97.4 97.4<br>97.0 97.6 97.6 97.6<br>97.6 97.6 97.6 97.6<br>98.2 98.4 98.4 98.4 98.4<br>98.4 98.9 98.9 98.9<br>98.3 99.0 99.0 99.0<br>98.4 99.1 99.1 99.1<br>98.4 99.1 99.1 99.1 | 93.4 91.8 91.8 91.8 91.9 92.0 93.0 93.3 93.4 93.6 92.9 93.0 93.3 93.3 93.4 93.6 92.9 93.1 95.4 95.4 95.6 95.7 94.8 94.9 95.1 95.4 95.4 95.6 95.7 96.8 96.9 97.3 97.3 97.3 97.4 97.6 97.7 97.8 97.0 97.0 97.6 97.6 97.6 97.7 97.8 98.2 98.9 98.9 99.1 99.2 99.3 99.4 99.8 98.4 98.4 98.4 98.6 98.7 98.9 98.3 99.0 99.0 99.0 99.2 99.3 99.4 99.8 98.4 98.4 98.4 98.4 98.4 98.7 99.3 99.4 99.7 99.8 99.1 99.2 99.3 99.4 99.7 99.8 99.1 99.2 98.7 99.8 99.1 99.2 98.7 99.8 99.1 99.2 98.7 99.8 99.1 99.3 99.4 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 99.8 99.7 9 | 93.4 91.8 91.8 91.8 91.9 92.0 92.0 92.0 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6                      | 13 93.4 91.8 91.8 91.8 91.9 92.0 92.0 92.0 92.0 92.0 92.0 92.0 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6                         | 93.4 91.8 91.8 91.8 91.9 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92 |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLÉTE

### CEILING VERSUS VISIBILITY

24,112 -

MALMSTRUM AFB MT/GREAT FALLS 08-77

- molyen -

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-2100-5300

| CEILING                 |              |                  | *************************************** |              |              |              | VIS          | IBILITY (ST  | ATUTE MILI   | ESı          |                |              |              |              |              |                  |
|-------------------------|--------------|------------------|-----------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|------------------|
| FEET                    | ≥10          | ≥6               | ≥5                                      | ≥ 4          | ≥3           | ≥2'>         | ≥2           | ≥1½          | ≥114         | ≥1           | ≥ 34           | ≥ ′•         | ≥ %          | ≥5 16        | ≥ .          | ≥0               |
| 20000<br>20000          | 46.2<br>54.3 | 52.3<br>61.9     | 52.3                                    |              | 52.3<br>61.9 |              | 52.3<br>61.9 | 52.3<br>61.9 | 52.3<br>61.9 |              | 52.3<br>61.9   |              |              | 52.3<br>61.9 | 52.3<br>61.9 | 52.3             |
| ≥ 180000<br>≥ 160000    | 54.3<br>54.4 | 61.9<br>62.0     | 62.0                                    | 61.9<br>62.0 | 61.9         | 62.0         | 61.9         |              | 61.9         |              | 61.9           | 1            |              | (            |              | 61.9             |
| ≥ 14000<br>≥ 12(AA)     | 54.9<br>59.6 | 62.6             | 67.                                     | 67.7         | 62.6         |              | 62.6         |              | 62.6         | 62.6<br>67.7 | 62.6<br>67.7   | 62.6         | 62.6         | 62.6         | 62.6         | 62.6             |
| ≥ 9000                  | 65.3<br>66.4 | 75.1<br>76.9     | 75.1<br>76.9                            | 75.1<br>76.9 |              | 75.1<br>76.9 | 75.1<br>76.9 |              | 75.1<br>76.9 |              | 75.1<br>76.9   |              | 75.1<br>76.9 | 75.1         | 75.1         | 75 • 1<br>76 • 9 |
| ≥ 8000<br>≥ 7000        | 69.1<br>70.3 |                  | 79.8<br>82.0                            | 82.0         | 82.0         | 82.0         | 82.0         | 82.0         | 82.0         | 82.0         | 79.8           | ,            |              | 79.8         | 79.8         | 79.8<br>82.0     |
| ≥ 6000<br>≥ 5000        | 73.2<br>75.2 | 85.9<br>89.1     | 85.9<br>89.2                            | 89.2         | 89.2         |              |              |              |              |              | 85.9<br>89.2   | 85.9<br>89.2 |              | 85.9         | 85.9<br>89.2 | 85.9             |
| ≥ 4500<br>≥ 4000        | 76.6<br>77.9 | 91 · 1<br>93 · 2 | 91.2<br>93.4                            | 93.4         | 93.6         | 93.6         | 93.6         | 93.6         |              | 93.6         | 93.6           | -            |              | 91.2         |              | 91.2             |
| ≥ 3500<br>≥ 3000        | 78.6<br>78.8 | 94.0<br>94.8     | 94.2<br>95.1                            | 94.2<br>95.1 | 95.2         | 95.2         | 95.2         | 95.2         | 95.2         |              |                | 94.3         |              | 94.3         | 94.3         | 94.3             |
| ≥ 2500<br>≥ 2000        | 79.2<br>79.6 | 95.4<br>96.0     | 95.8                                    | 96.3         | 96.6         | 96.6         | 96.6         | 95.9<br>96.6 | 96.6         | 95.9<br>96.6 | 96.6           | 96.6         |              |              |              | 95.9             |
| ≥ 1800<br>≥ 1500        | 79.6         | 96.1             | 96.3<br>96.6                            |              | 96.9         | 96.9         | 96.9         | 96.9         | 96.9         | 96.9         | 96.9           | 96.9         | 96.9         | 96.9         | 96.9         | 96.6             |
| ≥ 1200<br>≥ 1000        | 79.9<br>80.0 | 96.8             | 97.7                                    | 97.2<br>97.7 | 98.0         | 98.0         | 98.1         | 98.1         | 98.1         | 98.1         | 28.1           | 98.1         | 98.1         | 98.1         | 98.1         | 98.1             |
| ≥ 900<br>≥ 800          | 80.1         | 97.2<br>97.2     | 97.8                                    | 97.8         | 98.1         | 98.1<br>98.1 |              | 98.2         | 98.2         | 98.2         | 98.2           | 98.2         | 98.2         | 98.2         | 98.2         | 98 • 2<br>98 • 2 |
| ≥ 700<br>≥ 600          | 80.3         | 97.7             | 98 • 4<br>98 • 4                        |              |              | 98.8         | 98.9         |              | 98.9         |              | 98.9           | 98.9         | 98.9         | 98.9         | 98.9         | 98.9             |
| ≥ 500<br>≥ 400<br>≥ 300 | 80.3<br>80.3 |                  | 98.8<br>98.9<br>99.1                    |              | 99.3         | 99,4         | 99.7         | 99.7         | 99.7         | 99.7         |                | 99.7         | 99.7         | 99.4         | 99.7         | 99.4             |
| 200                     | 80.3         |                  |                                         | 99.1         | 79.0         |              | 99.9         | 99.9         | 99.9         | 100.0        | 99.9           | 100.0        | 100.0        | 100.0        | 100.0        | 100.0            |
| ± 100                   | 80.3         | 7 7              | 99.1                                    |              | 99.6         |              | 99.9         | 99.9         | 99.9         | 100.0        | 100.0<br>100.0 | 100.0        | 700 ° 0      | 100.0        | 100.0        | 100.0            |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 17 AL AL 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112 ...

MALMSTROM AFB MT/GREAT FALLS

68-77

1011

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- ALL

| (EILING)                   |                      |                      |              |                      |                      |                      | VIS                  | BILITY (STA          | ITUTE MILI           | (S)                  |                      |                      |                      |                      |                      |              |
|----------------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|
| FEET                       | ≥10                  | ≥6                   | ≥ 5          | ≥ 4                  | ≥ 3                  | ≥21/2                | ≥ ?                  | ≥1',                 | ≥1.4                 | ≥1                   | ٤ 4                  | ۷ ،                  | ≥ ,                  | ≥5 16                | <b>₫</b> 1           | ٥٥           |
| NO CEILING                 | 48.4<br>57.9         | 51.0<br>61.2         | 51.0<br>61.2 | 51.0<br>61.2         | 51.0<br>61.2         | 51.0<br>61.2         |                      | 51.0<br>61.2         |                      | 51.0<br>61.2         | 51.0<br>61.2         | 51.0<br>61.2         | 51.0<br>61.2         | 51.0<br>61.2         | 51.0<br>61.2         | 51.0         |
| ≥ 18000<br>≥ 16000         | 58.1<br>58.3         | 61.4                 | 61,4         | 61.4                 | 61.4                 | 61.4                 | 61.5                 | 61.5                 | 61.5                 | 61.4                 | 61.4                 | 61.4                 | 61.4                 | 61.4                 | 61.4                 | 61.6         |
| ≥ 14000<br>≥ 12000         | 59.2<br>63.4         | 66.8                 | 66.8         | 66.8                 | 62.5                 | 62.5                 |                      | 66.8                 | 62.5                 |                      | 62.5                 |                      |                      | 62.5<br>66.8         | 62.5                 | 62.6         |
| ≥ 9000                     | 59.2<br>70.4<br>73.4 | 74.4                 | 74.5         | 73.2<br>74.5         | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 73.2<br>74.5<br>77.6 | 74.5                 | 73.2<br>74.5<br>77.6 | 74 5         |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 75.0<br>78.1         | 79.6<br>83.1         | 79.6         | 79.6<br>83.2         | 79.6                 | 79.6                 | 79.6                 | 19.6                 | 79.6<br>83.2         | 79.6                 | 79.6<br>83.2         |                      |                      | 79.6                 | 79.6<br>83.2         | 79.7         |
| ≥ 5000<br>≥ 4500           | 81.5<br>82.8         | 86.8<br>88.4         | 86.9         | 86.9<br>88.5         | 86.9                 | 86.9<br>88.6         | 86.9                 | 87.0                 |                      | 87.0                 |                      |                      |                      | 87.0                 | 87.0                 |              |
| ± 4000<br>≥ 3500           | 85.3<br>86.5         | 91.2                 | 91.4         | 92.7                 | 91.5<br>92.8         |                      |                      |                      |                      | 92.8                 |                      | 92.8                 | 92.8                 |                      | . 77.7               |              |
| ≥ 3000<br>≥ 2500           | 87.8                 | 94.2                 | 93.4         | 93.5                 | 93.6                 | 94.6                 | 94.6                 | 94.6                 | 94.6                 | 94.6                 | 94.6                 | 94.6                 | 94.6                 | 94.6                 | 94,6                 |              |
| ≥ 2000<br>≥ 1800<br>≥ 1500 | 88.3<br>88.5<br>88.8 | 94.9<br>95.2<br>95.7 | 95.4<br>95.4 | 95.2<br>95.4<br>96.0 | 95.3<br>95.6<br>96.2 | 95.6                 |                      | 95.6                 | 95.6                 | 95.6                 | 95.6                 |                      |                      | 95.3<br>95.6<br>96.2 | 95,6                 | 95.6<br>96.3 |
| ≥ 1200<br>≥ 1000           | 89.1<br>89.3         | 96.4                 | 96.8         | 96.9                 | 97.1<br>97.5         | 97.1                 | 97.1                 |                      | 97.1                 | 97.1                 | 97.1                 | 97.1                 | 97.1                 | 97.1                 | 97.1                 | 97.1         |
| ≥ 900<br>≥ 800             | 89.3<br>89.4         | 96.8                 | 97.3<br>97.6 | 97.4                 | 97.6<br>97.9         |                      | 97.6                 | 97.7                 | 97.7<br>98.0         | 97.7<br>98.0         | 97.7                 | 97.7<br>98.0         | 97.7                 |                      | 97,7                 | 97.7         |
| ± 700<br>± 600             | 89.5                 | 97.3<br>97.5         | 98.2         | 98.3                 | 98.3<br>98.6         | 98.6                 | 98.6                 | 98.7                 |                      |                      |                      | 98.4                 | 98.4                 |                      |                      |              |
| ≥ 500<br>≥ 400             | 89.6<br>89.6         | 97.7<br>97.8<br>98.1 | 1            | 98.7                 |                      | 99.0                 | 99.2                 | 99.1                 |                      | 99.3                 | 99.2<br>99.4         | 99.2<br>99.4         | 99.2<br>99.4<br>99.8 | 99.4                 | 99.2                 | 99.4         |
| ≥ 300<br>≥ 300             | 89.7                 | 1                    | 98.8         | 99.0                 | 99.4                 | 99.4                 | 99.6                 | 99.6                 | 99.7                 | 99.8                 | 99.8                 | 99.8                 | 99.9                 | 99.9                 | 99.9                 | 100.0        |
| 100 ج<br>0 خ               | 89.7                 |                      |              |                      |                      |                      |                      | 99.7                 |                      |                      | 99.9                 |                      | 99.9                 | 1 7 7                | 99.9                 |              |

TOTAL NUMBER OF OBSERVATIONS

7200

ISAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

### CEILING VERSUS VISIBILITY

24,11,2

MALMSTRUM AFB MT/GREAT FALLS 68-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0600=0500

| CEILING             |                  |              |              |              |               |              | VIS                  | IBILITY (ST.   | ATUTE MILI       | ESI              |                  |                  |              |              |              |                  |
|---------------------|------------------|--------------|--------------|--------------|---------------|--------------|----------------------|----------------|------------------|------------------|------------------|------------------|--------------|--------------|--------------|------------------|
| 6663                | ≥ 10             | ≥6           | ≥ 5          | ≥ 4          | ≥3            | ≥2'ક         | ≥ 2                  | ≥1%            | ≥1¼              | ≥1               | ≥ ¹₄             | ≥ ′4             | ≥ ,          | ≥5 16        | ≥'4          | ۷2               |
| 5 50000<br>5 SITING | 61.4<br>66.0     | 75.5<br>82.5 | 75.5<br>82.5 | 82.5         |               |              | 82.5                 | 75.5<br>82.5   | 75.5<br>82.5     | 75 • 5<br>82 • 5 | 75.5<br>82.5     | 75•5<br>82•5     | 75.5<br>82.5 | 75.5<br>82.5 | 75.5<br>82.5 | 75.5<br>82.5     |
| ≥ 18000<br>≥ 16000  | 66.0<br>66.0     | 82.5<br>82.5 | 82.5         |              | 82.5<br>82.5  | 82.5<br>82.5 | 82.5<br>82.5         | 82.5           | 82.5<br>82.5     | 82.5<br>82.5     | 82.5<br>82.5     | 82.5<br>82.5     | 82.5<br>82.5 | 82.5<br>82.5 | 82.5<br>82.5 | 82.5             |
| ≥ 14000<br>≥ 12000  | 66 • 1<br>69 • 2 | 82.8<br>86.2 | 82.8<br>86.2 | 86.2         | 82.8<br>86.2  | 86.2         | 82.8<br>86.2         | 82.8<br>86.2   | 82 • 8<br>86 • 2 | 82.8<br>86.2     | 82.8<br>86.2     | 82.8<br>86.2     | 82.8<br>86.2 | 82.8<br>86.2 | 82.8         | 82.8             |
| ≥ 10000<br>≥ 9000   | 74.0<br>74.4     | 93.0         | 92.5<br>93.0 | 93.0         | 92.5<br>93.0  | 93.0         | 92 <b>.5</b><br>93.0 | 92.5<br>93.0   | 92.5<br>93.0     | 92.5             | 92.5<br>93.0     | 92.5             | 92.5         | 92.5         | 92.5         | 92.5             |
| ≥ 8000<br>≥ 7000    | 75.4<br>75.9     | 94.3<br>95.1 | 95,1         | 94.3<br>95.1 | 94.3<br>95.1  | 95.1         | 94.3<br>95.1         | 94.3<br>95.1   | 94.3<br>95.1     | 94.3<br>95.1     | 94.3<br>95.1     | 94.3<br>95.1     | 94.3         | 94.3         | 94.3<br>95.1 | 94.3             |
| ≥ 6000<br>≥ 5000    | 76.6             | 95.8         | 95.8         | 96.6         |               | 96.6         |                      | 95.8<br>96.6   | 95 • 8<br>96 • 6 | 95.8<br>96.6     | 95.8<br>96.6     | 95 • 8<br>96 • 6 | 95.8         | 95.8         | 95.8         | 95.8             |
| ≥ 4500<br>≥ 4000    | 77.3<br>78.0     | 97.1<br>97.7 | 97•1<br>97•7 | 97.1<br>97.7 | .97.1<br>97.7 |              | 97•1<br>97•7         | 97•1<br>97•7   | 97.1<br>97.7     | 97.1<br>97.7     | 97•1<br>97•7     | 97.1<br>97.7     | 97.1<br>97.7 | 97.1<br>97.7 | 97.1<br>97.7 | 97.1             |
| ≥ 3500<br>≥ 3000    | 78.2<br>78.6     | 98.0<br>98.5 | 98.5         | 98.5         | 98.5          | 98.0<br>98.5 | 98.5                 | 98.5           | 98 • 0<br>98 • 5 | 98.0<br>98.5     | 98.0<br>98.5     | 98.0<br>98.5     | 98.0<br>98.5 | 98.0<br>98.5 | 98.0<br>98.5 | 98.0             |
| ≥ 2500<br>≥ 2000    | 78.8<br>78.8     | 98.7<br>98.9 | 98.7         |              |               |              |                      | 98.7<br>98.9   | 98•7<br>98•9     | 98.7<br>98.9     | 98.7<br>98.9     | 98.7<br>98.9     | 98.7<br>98.9 | 98.7<br>98.9 | 98.7<br>98.9 | 98 • 7<br>98 • 9 |
| ≥ 1800<br>≥ 1500    | 78 • 8<br>78 • 8 | 98.9<br>98.9 |              |              | 98.9          |              | 99.2                 | 98.9<br>99.2   | 98.9<br>99.2     | 98.9<br>99.2     | 98.9<br>99.2     | 98.9             | 98.9         | 98.9         | 98.9         | 98.9             |
| ≥ 1200<br>≥ 1000    | 78.8<br>78.8     | 98.9<br>99.0 |              | 99.2         | 99.2          | 99.5         |                      | 99.5           | 99 • 2<br>99 • 5 | 99 • 2<br>99 • 5 | 99 • 2<br>99 • 5 | 99.2             | 99.2         | 99.2<br>95.5 | 99.2         | 99.5             |
| ≥ 900<br>≥ 800      | 78.8<br>78.9     | 99.4         | 99.4         | 99.5         | 99.5          | 99.8         | 99.8                 | 99.5           |                  | 99.5<br>99.8     | 9 <b>9.</b> 5    | 99.5             | 99.5<br>99.8 | 99.5         |              | 99.5<br>99.8     |
| ≥ /00<br>≥ 600      | 78.9<br>79.0     | 99.4         | 99.7         | 99.8         | 99.8          | 99.9         |                      | . ; -          | , -              | 99.8<br>99.9     | 99•8<br>99•9     | 99.8             | 99.8         | 99.8         | - 1          | 99.8             |
| ≥ 500<br>≥ 400      | 79.0<br>79.0     | 99.5         | 99.8         | 99.9         |               |              |                      |                | 99.9             |                  | 99.9<br>99.9     |                  | 99.9         | 99.9         | 99.9         | 99.9             |
| ≥ 300<br>≥ 200      | 79.1             | 99,6         | 99,9         | 100.0        | 100.0         | 100.0        | 100.0                | 100.0          | 100.0            | 100.0            | 100.0<br>100.0   | Loom             | 100.0        | 100.0        | Loo.ol       | اممما            |
| ≥ 100<br>≥ 0        | 79.1<br>79.1     | 99.6<br>99.6 | 99,9         | 100.0        | 100.0         | 100.0        | 100.0                | 100.0<br>100.0 | 100•0            | 100.0<br>100.0   | 100.0            | 100.0            | 100.0        | 100.0        | 100.0        | L00.0            |

TOTAL NUMBER OF OBSERVATIONS

930

### CEILING VERSUS VISIBILITY

€,

MALHSTRUM AFB MT/GREAT FALLS 68-77

7<u>7</u>7

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING                    |                      |      |                            |                      |      |                      | VIS          | BILITY (STA | TUTE MILE            | (5)                  |                      |                  |              |                            |                                        |                |
|----------------------------|----------------------|------|----------------------------|----------------------|------|----------------------|--------------|-------------|----------------------|----------------------|----------------------|------------------|--------------|----------------------------|----------------------------------------|----------------|
| iii                        | ≥10                  | ≥6   | ≥ 5                        | ≥4                   | ≥3   | ≥ 21/2               | ≥ ?          | ≥17⁄2       | ≥1'4                 | ≥1                   | ≥ '₄                 | ≥ ′•             | ٤٠,          | < > 16                     | ٠ ــــــــــــــــــــــــــــــــــــ | 20             |
| NO CEILING                 | 62.9<br>70.5         |      | 70.8<br>79.8               | 70.8<br>79.8         | 79.8 |                      |              | 79.8        |                      |                      |                      | 70•9<br>79•9     | 79.9         | 79.9                       | 79,9                                   | 70.9           |
| ≥ 18000<br>≥ 16000         | 70.8<br>70.8         | 80.0 | 80.0<br>80.0               | 80.0<br>80.0         | 80.0 | 80.0<br>80.0         | 80.0         | 80.0        | 80.0<br>80.0         | 80.0                 |                      | 80 • 1<br>80 • 1 | 80.1         |                            | 80.1                                   | 80.1           |
| ≥ 14000<br>≥ 17000         | 71.2<br>75.3         | 84.9 | 80.6<br>84.9               | 80.6<br>84.9<br>90.4 | 84.9 | 80.6<br>84.9<br>90.4 | 80.6<br>84.9 |             | 80.6                 | 80.6<br>84.9<br>90.4 | 80.8<br>85.1<br>90.5 | 80 • 8<br>85 • 1 | 85.1         | 80 • 8<br>85 • 1<br>90 • 5 | B5.1                                   | 85.1           |
| ≥ 9000<br>≥ 9000<br>≥ 8000 | 80.4<br>80.5<br>81.9 | 90.5 | 90 • 4<br>90 • 5<br>91 • 9 | 90.5                 | 90.5 | 90.5                 | 90.5         | 90.5        | 90.4<br>90.5<br>91.9 | 90.5                 | 90.6                 | 90.6             | 90.6         | 90,6                       | 90,6                                   | 90.6           |
| ≥ 4000<br>≥ 7000           | 82.7                 | 92.3 | 92.8                       | 92.8                 | 92.8 | 92.8                 | 92.8         | 92.8        |                      | 92.8                 | 92.9                 | 92.9             | 92.9         | 92.9                       | 92.9                                   | 92.9           |
| ≥ 5000<br>≥ 4560           | 84.7                 | 96.0 |                            | 95.5                 | 96.0 | 95.5<br>96.0         | 96.0         | 96.0        | 95.5<br>96.0         | 96.0                 | 95.6                 | 95.6             | 96.1         | 96.1                       | 96.1                                   | 96.1           |
| ≥ 3500                     | 85.9                 | 97.3 | 97.2<br>97.4               | 97.4                 | 97.4 | 97.4                 | 97.4         | 97.4        | 97.4                 | 97.4                 |                      | 97.5             | 97.5         | 97.5                       | 97.5                                   | 97.5           |
| ≥ 3000<br>≥ 2500<br>≥ 2000 | 86.2<br>86.2<br>86.5 | 97.4 | 97.5<br>97.5<br>98.2       |                      |      | 97.5<br>97.6<br>98.3 | 97.6         | 97.6        | 97.5<br>97.6<br>98.3 | 97.6                 |                      | 97.7             | 97.7         | 97.7                       | 97.7                                   | 97.7           |
| ≥ 1800<br>≥ 1500           | 86.6                 |      | 98.3                       |                      |      | 98.4                 | 98.4         | 98.4        | 98.4<br>98.9         | 98.4                 | 98.5                 | 98.5             | 98.5         | 98.5                       | 98.5                                   | 98.5           |
| ≥ 1200<br>≥ 1000           | 87.2<br>87.2         | 98.8 | 1                          | 98.9                 | 99.0 | 99.0                 | 99.0         | 99.0        | 99•0<br>99•0         | 99.0<br>99.0         | 99.1                 | 99.1             | 99.1<br>99.1 | 99.1                       | 99.1                                   | 99.1           |
| ≥ 900<br>≥ 800             | 87.2                 | 99.0 | 99.2                       | 99.2                 | 99.4 | 99.4                 | 99.4         | 99.4        | 99.0<br>99.4<br>99.4 |                      |                      | 99.5             | 99.5         |                            | 99.5                                   | 99.5           |
| ≥ 600<br>≥ 700             | 87.4<br>87.4         | 99.2 |                            | 99.5                 | 99.6 |                      | 99.6         | 99.6        | 99.6                 | 99.6                 | 99.7                 | 99.7             | 99.7         | 99.7                       | 99.7                                   | 99.7           |
| ≥ 500<br>≥ 400<br>≥ 300    | 87.4                 | 99.2 | 1                          | 99.6                 | 99.7 |                      | 99.7         | 99.7        |                      | 99.7                 | 99.8                 | 99.8             | 99.8         | 99.8                       | 99.8                                   | 99.8           |
| 2 200                      | 87.4                 | 99.5 | 99.8                       | 99.8                 | 99.9 | 99.9                 | 99.9         | 99.9        | 99.9                 | 99.9                 | 100.0                | 100.0            | 100.0        | 100.0                      | 100.0                                  | 100•0<br>100•0 |
| 0                          | 87.4                 | 99.5 | 99.8                       | 99.8                 | 99.9 | 99.9                 | 99.9         | 99.9        | 99.9                 | 99.9                 | 100.0                | 100.0            | 100.0        | 100.0                      | 100.0                                  | 100.0          |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>~0800£080</del>0

| CEILING                    |                      |                                       |              |              |                      |              | VIS          | IBILITY (ST | ATUTE MIL    | E\$1 |                  |                            |                      |        |              |                  |
|----------------------------|----------------------|---------------------------------------|--------------|--------------|----------------------|--------------|--------------|-------------|--------------|------|------------------|----------------------------|----------------------|--------|--------------|------------------|
| FEET                       | ≥10                  | ≥6                                    | ≥5           | ≥4           | ≥3                   | <1n          | <u> 2</u> 2  | 215         | 211-         | λί   | ≥1.              | > %                        | > 1/7                | ≥ 5/16 | ≥ '.         | ≥0               |
| NO CEILING<br>≥ 20000      | 69.2<br>75.8         | 75.9                                  | 75.9         | 69.4<br>75.9 | 75.9                 | 69.4<br>75.9 |              |             | 69.4<br>75.9 |      | 75.9             | 69.4<br>75.9               | 75.9                 | 75.9   | 75.9         | 69•4<br>75•9     |
| ≥ 18000<br>≥ 16000         | 75.9<br>75.9         | 76.0<br>76.0                          | 76.0         | 76.0<br>76.0 | 76.0                 | 76.0<br>76.0 | 76.0         | 76.0        | 76.0         | 76.0 | 76.0             | 76.0<br>76.0               | 76.0                 | 76.0   | 76.0         | 76•0<br>76•0     |
| ≥ 14000<br>≥ 12000         | 77.0<br>82.4         | 77.1<br>82.5                          | 77.1<br>82.6 | 77.1<br>82.6 |                      |              |              | 82.7        |              | 82.7 | 77 • 1<br>82 • 7 | 77.1<br>82.7               | 77.1<br>82.7         | 82.7   | 77.1<br>82.7 | 77 • 1<br>82 • 7 |
| ≥ 10000                    | 87.0                 | 87.1<br>88.2<br>89.9                  |              |              | 88.3                 | 88.3         | 88.3         | 88.4        | 🕶            | 88.4 | 88.4             | 87.3<br>88.4               | 87.3                 | 88.4   | 87.3<br>88.4 | 88.4             |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 89.7<br>90.6<br>92.2 | 90.9                                  | 91.0         |              |                      | 91.0         | 91.0         | 91.1        | 91.1         | 91.1 | 91.1             | 90 • 1<br>91 • 1<br>92 • 8 | 90.1<br>91.1<br>92.8 | 91.1   | 91.1         | 90 • 1<br>91 • 1 |
| ≥ 5000<br>≥ 5000<br>≥ 4500 | 93.3                 | 93.8                                  |              | 93.9         | 93.9                 |              | 93.9         | 94.0        | 94.0         | 94.0 | 94.0             | 94.0                       | 94.0                 | 94.0   | 94.0         | 94.0             |
| ≥ 4000<br>≥ 3500           | 94.5                 | 95.2                                  | 95.3         | 95.3         | 95.3                 | 95.3         | 95.3         | 95.4        | 95.4         | 95.4 | 95.4             | 95.4                       | 95.4                 | 95.4   |              | 95.4             |
| ≥ 3000                     | 94.9                 | 95.6                                  |              |              | 95.7                 | 95.7         | 95.7         |             | 95.8         | 95.8 | 95.8             | 95.8                       | 95.8                 | 95.8   | 95.8         | 95.8             |
| ≥ 2000<br>≥ 1800           | 95 • 6<br>95 • 7     | 96.5                                  |              |              |                      | 97.0         | 97.0         |             |              |      |                  | 96.9<br>97.1               | 96.9<br>97.1         | 96.9   | 96.9<br>97.1 | 96.9<br>97.1     |
| ≥ 1500                     | 96.8                 | 98.4                                  | 98.5         | 98.7         | ,                    | 98.9         | 98.9         | 99.0        | 99.0         | 99.0 | 99.0             | , , , ,                    |                      |        | 99.0         |                  |
| ≥ 1000<br>≥ 900<br>≥ 800   | 97.3                 | 7 7 7                                 | 98.9         | 99.1         | 99.4                 | 99.4         |              | 99.5        | 99.5         | 99.5 | 99.5             | , , , , ,                  |                      | 99.5   | 99.5         |                  |
| 2 /00<br>2 6C0             | 97.3<br>97.3<br>97.3 | ,                                     | 98.9         | 99.1         | 99.4<br>99.4<br>99.4 | 99.4         |              | 99.5        | 99.5         | 99.5 | 99.5             |                            | 99.5                 | 99.5   | 99.5         | 99.5<br>99.5     |
| ≥ 500<br>≥ 400             | 97.3                 | 98 • 8                                | 98.9         | 99.2         | 99.6                 | 99.6         | 99.6         | 99.7        | 99.7         | 99.7 | 99.7             |                            | 99.7                 | 99.7   | 99.7         | 99.7             |
| ≥ 300<br>≥ 700             | 97.3                 | 98.8                                  | 98.9         | 99.4<br>99.4 | 99.7<br>99.7         | 99.8<br>99.8 | 99.8<br>99.8 | 99.9        | 99.9<br>99.9 | 99.9 | 99.9             | 99.9                       | 99.9                 | 99.9   | 99.9         | 99.9             |
| ۱۵۷ <u>د</u><br>ن <u>:</u> | 97.3                 | , , , , , , , , , , , , , , , , , , , |              |              |                      | 99.8<br>99.8 |              | 99.9        |              |      | 100.0            |                            |                      |        |              |                  |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 10. 14 0-14-5 (OL A) previous editions of this form are obsolet

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS 68-77

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

| (FILING                    |              |              |      |       |              |                      | ViS     | IBILITY (ST. | ATUTE MIL | ESI       |                |        |                |              |         |        |
|----------------------------|--------------|--------------|------|-------|--------------|----------------------|---------|--------------|-----------|-----------|----------------|--------|----------------|--------------|---------|--------|
| FEET                       | ≥10          | <b>∠</b> 0   | 25   | ≥4    | د ع          | 217                  | ΣŽ      | 2177         | ≥;.       | 21        | <b>&gt;</b> '- | 5,*    | ≥,             | ≥5 14        | > ,     | >0     |
| NO CEILINU<br>≥ 20000      | 70.9<br>76.7 | 70.9<br>76.7 | 76.7 | 76,7  | 76.7         | 76.7                 | 76.7    | 76.7         |           | 76.7      | 76.7           |        |                |              |         |        |
| ≥ 18000<br>≥ 16000         | 76.9<br>76.9 |              |      |       |              | 76.9<br>76.9         | 76.9    | 76.9         | 76.9      | 76.9      | 76.9           | 76.9   | 76.9           |              |         | -      |
| ≥ 14000<br>≥ 12000         | 77.6<br>82.5 | 77.6<br>82.5 | 82.5 | 82.5  |              | 82.5                 | 82.5    | 82.5         | 82.5      | 82.5      | 82.5           |        |                | 82.5         | 82.5    | 82.5   |
| ≥ 10000<br>≥ 9000          | 86.5<br>87.5 | 86.5<br>87.5 | 87.5 |       | 87.5         | 87.5                 | 87.5    | 87.5         | 87.5      | 87.5      | 87.5           | 87.5   |                | 87.5         | 87,5    | 87.5   |
| ≥ 8000<br>≥ 7000           | 89.8<br>90.3 | 90.3         |      | 90.3  | 90.3         | 89.8<br>90.3         | 90.3    | 90.3         | 90.3      | 90.3      | 90.3           | 90.3   | 90.3           | 90.3         | 90.3    | 90.3   |
| ≥ 6000<br>≥ 5000           | 92.7         | 93.0         | 93.0 |       | 93.0         | 92.0<br>93.0<br>93.8 | 93.0    | 93.0         | 93.0      | 93.0      | 93.0           | 93.0   | 93.0           | 93.0         | 93.0    | 93.0   |
| ≥ 4500<br>≥ 4000<br>≥ 3500 | 94.9         | 95.4         | 95.4 | 95.4  | 95.4         | 95.4<br>95.8         | 95.4    | 95.4         | 95.4      | 95.4      |                |        | 95.4           | 95.4         | 95.4    | 93.8   |
| ≥ 3000<br>≥ 2500           | 95.7         | 96.1         | 96.1 | 96.1  | 96.1         |                      | 96.1    | 96.1         | 96.1      | 96.1      |                | 96.1   | 96.1           |              | 96.1    |        |
| 2 2000<br>2 1800           | 97.2         | 97.8         | 97.8 | 98.0  | 98.0         | 98.0<br>98.1         | 98.0    | 98.0         | 98.0      | 98.0      | 98.0<br>98.1   | 98.0   | 98.0           | 98.0<br>98.1 | 98.0    | 98.0   |
| ≥ 1500                     | 98.3<br>98.5 |              | 99.2 | 99.5  | 99•2<br>99•5 | 99.2                 | 99.2    | 99.2         |           | 99.2      | 99.2<br>99.5   | 99.2   | 99.2           | 99.2         | 99.2    | 99.2   |
| ≥ 1000                     | 98.7         |              | 99•6 | 99.8  |              | 99.8<br>99.8         |         | 99.8         | 99.8      | 99.8      | 99.8           | 99 . B | 99.8           | 99.8         | 99.8    | 99.8   |
| ≥ 800                      | 98.8         | 99.7         | 99.7 | 99.9  | 99.9         | 99.9                 | 99.9    | 99.9         | 99.9      | 99.9      | 99.9           | 99.9   | 99.9           | 99.9         | 99.9    | 99.9   |
| ≥ 600<br>∴ 500             |              | 99.7         | 99.7 | 99.9  | 99.9         | 99.9                 | 99.9    | 99.9         | 99.9      | 99.9      | 99.9           | 99.9   | 99.9           | 99.9         | 99.9    | 99.9   |
| 2 300<br>2 300<br>2 200    | 98.8         | 99.7         | 78.1 | 100.0 | r00•01       | 100.01               | 100 • O | L00•01       | L00•01    | 100.0     | 00.0           | loo.ol | lon-ol         | 00-0         | Loo-ol  | lon-ol |
| 2 100<br>2 0               | 70.0         | 32 . (       | 7741 | 100.0 | r00•01       | r00+01               | 100.0   | LOO • O !    | 100.01    | LOO • O I | 00.0           | loo•ol | 1 <b>0</b> 0.0 | loo-oi       | LOO a D | Loo.ol |

TOTAL NUMBER OF OBSERVATIONS

930

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USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

68-77

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING                    |                      |              |              |      |              |              | VISI         | BILITY (ST   | ATUTE MILE   | ES)          |              |              |       |              |       |                  |
|----------------------------|----------------------|--------------|--------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|-------|------------------|
| 1881                       | ≥10                  | ے د          | ≥5           | ≥4   | ≥3           | ≥2',         | 52           | ייי≤         | ≥1%          | >1           | > 1,         | > <b>'</b> * | ≥ יס  | ≥ 5, 16      | ≥ '.  | ≥0               |
| NO CEILING<br>≥ 20000      | 70.5                 | 70.5<br>79.4 | 70.5         | 70.5 | 70.5<br>79.4 |              | 70.5         | 70•5<br>79•4 | 70.5         | 70.5<br>79.4 | 70.5         | 70•5<br>79•4 | 70.5  |              | 70.5  | 70 • 5<br>79 • 4 |
| ≥ 18000<br>≥ 16000         | 79.8<br>79.8         | 79.8<br>79.8 |              | 79.8 | 79.8<br>79.8 |              | 79.8<br>79.8 | 79.8         | 79.8<br>79.8 | 79.8<br>79.8 | 79.8         |              |       | 79.8<br>79.8 |       |                  |
| ≥ 14000<br>≥ 12000         | 80.0<br>83.3         | 80.0<br>83.3 | 80.0<br>83.3 |      | 83.3         |              |              | 80.0<br>83.3 | 80.0<br>83.3 | 80.0<br>83.3 | 80.0<br>83.3 |              |       | 83.3         | 83.3  | 80.0<br>83.3     |
| ≥ 10000<br>≥ 9000          | 86.1<br>87.6         | 86.7         | 86.7<br>87.6 |      |              | 86.7<br>87.6 | 87.6         | 87.6         | 86.7<br>87.6 | 86.7<br>87.6 | 86.7<br>87.6 | 86.7<br>87.6 |       | 87.6         | 87.6  | 86•7<br>87•6     |
| ≥ 8000<br>≥ 7000           | 89.5<br>90.4         | 89.5<br>90.4 | 90.4         |      | 90.4         | 90.4         | 90.4         | 90.4         | 89.5<br>90.4 | 90.4         | 90.4         | 90.4         | 90.4  | 90.4         | 90.4  | 90-4             |
| ≥ 6000<br>≥ 5000           | 91.8<br>93.8         | 94.1         | 94.1         | 94.1 | 94.1         | 94.1         | 94.1         | 94.1         | 94.1         | 94.1         | 94.1         |              | 94.1  | 94.1         | 94.1  | 91.9<br>94.1     |
| ≥ 4500<br>≥ 4000           | 94.5<br>96.8         | 97.1         | 97.1         | 97.1 | 97.1         | 97.1         | 97.1         | 97.1         | 97.1         | 97.1         | 97.1         | 9.01         | 94.8  | 97.1         | 97.1  | 97-1             |
| ≥ 3500<br>≥ 3000           | 97.8<br>98.1         | 98.4         | 98.4         | 98.4 | 98.4         | 98.4         | 98.4         | 98.4         | 98.4         | 98.4         | 98.4         | 98.4         | 98.4  | 98.4         | 98.4  | 98+4             |
| ≥ 2500<br>≥ 2000<br>≥ 1800 | 98.6<br>99.4<br>99.4 | 99.7         | 99.7         | 99.7 | 99.7         |              | 99.7         | 99.7         | 99.7         | 99.7         | 99.7         | 99.7         | 99.7  | 99.7         | 99.7  | 99.7             |
| ≥ 1800<br>≥ 1500<br>≥ 1200 | 99.6                 | 99.9         | 99.9         | 99.9 | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        | 100.0 | 100.0            |
| ≥ 1000                     | 99.6                 | 99.9         |              | 99.9 | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        | 100.0 | 100.0            |
| ≥ 800<br>- 700             | 99.6                 | 99.9         | 99.9         | 99.9 | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        | 100.0 | 100.0            |
| £ 500                      | 99.6                 | 99.9         | 99.9         | 99.9 | 100.0        | 100.0        | 100.0        | 100-0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        | 100.0 | 100.0            |
| ≥ 400<br>≥ 300             | 99.6                 | 99,9         | 99.9         | 99.9 | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        | 100.0 | 100.0            |
| ≥ 200<br>≥ 100             | 99.6                 | 99.9         | 99.9         | 99.9 | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100-0        | 100.0 | 100.0        | 100.0 | 100-0            |
| <u> </u>                   | 99.6                 | 99,5         | 99.3         | 99,9 | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        | 100.0 | ion.o            |

TOTAL NUMBER OF OBSERVATIONS

930

#### CEILING VERSUS VISIBILITY

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24112

MALHSTRUM AFB MT/GREAT FALLS

08-77

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING                 |                      |                      |              |              |                  |        | VIS    | IBILITY (ST. | ATUTE MILI | ES)          |                  |              |              |              |       |              |
|-------------------------|----------------------|----------------------|--------------|--------------|------------------|--------|--------|--------------|------------|--------------|------------------|--------------|--------------|--------------|-------|--------------|
| 1 1661                  | ≥ 10                 | 26                   | ≥5           | ≥4           | > 3              | ≥2%    | ≥ 2    | ≥1½          | ≥1¼        | ≥1           | ≥ ¼              | >,•          | ≥',          | ≥5 16        | ≥ .   | ≥0           |
| NO CEILING<br>≥ 20000   | 66•7<br>77•4         | 66.7<br>77.4         | 66.7<br>77.4 | 66.7<br>77.4 | 66 • 7<br>77 • 4 | 66.7   | 66.7   | 66.7         |            | 77.4         |                  |              |              |              |       |              |
| ≥ 18000<br>≥ 16000      | 77.6                 | 77.6                 |              | 77.6         | 77.6<br>77.6     |        |        | 77.6         | 77.6       | 77.6         |                  |              | 77.6         |              |       |              |
| ≥ 14000<br>≥ 12000      | 78.4<br>81.9         | 78.4<br>81.9         |              | 78.4<br>81.9 | 78.4<br>81.9     |        |        | 78.4<br>81.9 | 81.9       |              | 78.4<br>81.9     | 78.4<br>81.9 | 78.4<br>81.9 | 78.4<br>81.9 | •     |              |
| ≥ 10000<br>≥ 9000       | 87.2<br>88.0         | 87.3<br>88.1         | 87.3<br>88.1 | 87.3<br>88.1 | 87.3<br>88.1     | 88.1   | 88.1   | 87.3<br>88.1 | 88.1       | 87.3<br>88.1 | 87.3<br>88.1     |              | 88.1         | 88.1         |       | 87·3<br>88·1 |
| ≥ 8000<br>≥ 7000        | 89 · 8<br>90 · 5     | 90.9                 |              |              | 89.9<br>90.9     | 90.9   | 90.9   | 90.9         | 90.9       |              |                  | 90.9         | 90.9         | 90.9         |       |              |
| ≥ 6000<br>≥ 5000        | 92.6<br>95.4         | 93.1<br>96.2         | 93.1<br>96.2 | 93.1<br>96.2 | 93•1<br>96•2     |        |        | 93•1<br>96•2 |            | 93.1<br>96.2 | 93 • 1<br>96 • 2 | 96.2         | 96.2         | 96.2         | 96.2  |              |
| ≥ 4500<br>≥ 4000        | 95.8<br>97.7         | 96.7<br>98.7         | 98.8         |              |                  | 98.8   | 98.8   | 98.8         | 98.8       | 98.8         | 98.8             | 98.8         | 98.8         |              | 98.8  | 98.8         |
| ≥ 3500<br>≥ 3000        | 98.1<br>98.2         | 99.0<br>99.2         | 99.4         | 99.4         | 99.1<br>99.4     | 99.4   | 99.4   | 99.1         | 99.4       | 99.4         | 99.4             | 99.4         | 99.4         | 99.4         | 99.4  | 99.4         |
| ≥ 2500<br>≥ 2000        | 98.2<br>98.5<br>98.6 | 99.2<br>99.6<br>99.7 | 99,4<br>99,7 | 99.7         |                  | 99.7   | 99.7   | 99.7         | 99.7       | 99.7         | 99.7             | 99.7         | 99.7         | 99.4         | 99.7  | 99.7         |
| ≥ 1800<br>≥ 1500        | 98.6                 | 99.7                 | 99.8<br>99.8 | 99.8         | 99.8             | 99.8   | 99.8   | 99.8         | 99.8       | 99.8         | 99.8<br>99.8     | 99.8         | 99.8         | 99.8         | 99.8  | 99.8         |
| ≥ 1200<br>≥ 1006        | 98.6                 | 99.7                 |              | 99.8         | 99.9             | 99.9   | 99.9   | 99.8         | 99.9       | 99.9         | 99.8<br>99.9     | 99.9         | 99.9         | 99.9         | 99.9  | 99.9         |
| ≥ 900<br>≥ 800          | 98.6                 | 7 7 1                | 99.8         | 99.8         | 99.9             | 100.0  | 100.0  | 100.0        | 100.0      | 100.0        | 99.9<br>100.0    | 100 • Ol     | 100.0        | 100.0        | 100.0 | Lon-ol       |
| ≥ /00<br>≥ 600          | 98.6                 | 99.7                 | 99,8         | 99.8         | 99.9             | 100.0  | 100.0  | 100.0        | L00•0l     | 100.0        | 100.0<br>100.0   | 100•0l       | 100.0        | 100.0        | 100.0 | lan-ol       |
| ≥ 500<br>- 400<br>≥ 300 | 98.6<br>98.6         | 99.7                 | 79,5         | 99.8         | 99.9             | 100.0  | 100.0  | 100.0        | L00•0l     | LQQ • Q      | 100.0            | 100.01       | 100.0l       | Loo.ol       | 100.0 | laa-al       |
| ≥ 200                   | 98.6                 | 99.7                 | 77.8         | 77.8         | 99.9             | 100.01 | 100.01 | 100.0        | 100.01     | LOO • O      | 100.0            | Lao • ol     | L00.0        | 100.0        | 100.0 | Lon-ol       |
| ≥ 100                   | 98.6                 | 99.7                 | 99,8         | 99.8         | 99.9             | 00.0   | 100.0  | 100.0        | 100.0      | 100.0        | 100.0            | 100.0        | 100.0        | 100.0        | 100.0 | 100.0        |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB HT/GREAT FALLS

68-77

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-1800-2000

| CEILING                    |                      |                      |                      |              |              |              | VIS          | IB.LITY (ST  | ATUTE MILI           | ES:                  |              |                      |                      |                           |                      |                          |
|----------------------------|----------------------|----------------------|----------------------|--------------|--------------|--------------|--------------|--------------|----------------------|----------------------|--------------|----------------------|----------------------|---------------------------|----------------------|--------------------------|
| FEFT                       | ≥10                  | ≥6                   | ≥5                   | ≥4           | ≥3           | ≥2'⁄2        | ≥ 2          | ≥172         | ≥1'4                 | ≥1                   | ≥ 1,4        | ٠, ت                 | ≥.,                  | ≥ 5-16                    | ≥ '₄                 | ≥0                       |
| NO CEILING<br>≥ 20000      | 64.2<br>72.9         | 64.2<br>72.9         | 64.3<br>73.1         | 64.3<br>73.1 | 64.3<br>73.1 | 64.3<br>73.1 | 64.3<br>73.1 | 64.3<br>73.1 | 64.3<br>73.1         | 64.3<br>73.1         | 64.3         | 64.3                 | 64.3                 | 64.3<br>73.1              | 64.3<br>73.1         | 64.3<br>73.1             |
| ≥ 18000<br>≥ 16000         | 73.4<br>73.5         | 73.4                 | 73.7<br>73.8         | 73.7<br>73.8 | 73.7<br>73.8 | 73.7<br>73.8 | 73.7<br>73.8 | 73.7<br>73.8 | 73.7<br>73.8         | 73.7                 | 73.7         | 73.7<br>73.8         | 73.7                 | 73.7<br>73.8              | 73.7                 | 73.7                     |
| ≥ 14000<br>≥ 12000         | 74.3                 | 74.3                 | 74.5<br>80.1         | 74.5<br>80.1 | 74.5<br>80.1 | 74.5<br>80.1 | 74.5<br>80.1 | 80.1         | 74.5<br>_80.1        | 74.5<br>80.1         | 74.5<br>80.1 | 74.5<br>_80.1        | 74.5                 | 74.5<br>_ <del>80.1</del> | 74.5<br>80.1         | 74.5<br><del>-80-1</del> |
| ≥ 10000<br>≥ 9000          | 86.9<br>88.2         | 87.2<br>88.5         | 87.4                 | 87.4<br>88.7 | 87.4<br>88.7 | 87.4         | 87.4<br>88.7 | 87.4<br>88.7 | 87.4<br>88.7         | 87.4<br>88.7         | 87.4<br>88.7 | 87.4<br>88.7         | 87.4                 | 87.4                      | 87.4<br>88.7         | 87.4                     |
| ≥ 8000<br>≥ 7000           | 92.0                 | 91.5                 | 91.7                 |              |              | 91.7         | 91.7         | 91.7         | 91.7                 | 91.7                 | 91.7         | 91.7                 | 91.7                 | 91.7                      | 91.7<br>92.6         | 91.7                     |
| ≥ 6000<br>≥ 5000           | 93.7<br>96.2<br>96.5 | 96.6                 | 94.2                 | 96.8         | 96.8         |              |              | 96.8         | 96.8                 | 94.2                 | 94.2         | 94.2                 | 94.2                 | 94.2                      | 96.8                 | 96.4                     |
| ≥ 4500<br>≥ 4000           | 98.0<br>98.1         | 96.8<br>98.4<br>98.5 | 97.0<br>98.6<br>98.8 | 98.7         | 98.7         | 98.7         | 98.7         | 98.7         | 97.0<br>98.7<br>98.9 | 97.0<br>98.7<br>98.9 | 98.7         | 97.0<br>98.7<br>98.9 | 97.0<br>98.7<br>98.9 | 98.7                      | 97.0<br>98.7<br>98.9 | 97.0<br>98.7<br>98.9     |
| ≥ 1500<br>≥ 3000           | 98 • 1<br>98 • 2     | 98.5<br>98.6         | 98.8                 | 98.9         | 98.9         |              | 98.9         | 98.9         | 98.9                 | 98.9                 | 98.9         | 98.9<br>98.9         | 98.6                 | 98.9                      | 98.9<br>99.0         | 98.9                     |
| ≥ 2500<br>≥ 2000<br>≥ 1800 | 98.3                 | 98.7                 | 99.0                 |              | 99.1         | 99.1         | 99.1         | 99.1         | 99.i                 | 99.1                 | 99.1         | 99.1                 | 99.1                 | 99.1                      | 99.1                 | 99.1<br>99.2             |
| ≥ 1500<br>≥ 1200           | 98.3                 | 98.9                 |                      |              | 99.4         | 99.4         | 99.4         | 99.4         | 99.4                 | 99.4                 | 99.4         | 99.4                 | 99.4                 | 99.4                      | 99.4                 | 99.4                     |
| ≥ 1000                     | 98.3                 | 98.9                 | 99.2                 | 99.5         | 99.5         | 99.5         | 99.5         | 99.5         | 99.5                 | 99.5                 | 99.5         | 99.5                 | 99.5                 | 29.5                      | 97.5                 | 99.5                     |
| ≥ 800                      | 98.3                 | 98.9                 |                      | 99.5         | 99.8         | 99.8         | 99.8         | 99.8         | 99.8                 | 99.8                 | 99.8         | 99.8                 | 99.8                 | 99.8                      | 99.8                 | 99.8                     |
| ≥ 500                      | 98.3                 | 98.9                 |                      | 99.5         | 99.8         | 99.8         | 93.8         | 99.8         | 99.8                 | 99.8                 |              | 99                   | 99.8                 | 99.8                      | 99.8                 | 99.8                     |
| ≥ 40n<br>≥ 300             | 98.5                 | 99,1<br>99,1         | 99,5                 | 99.7         | 100.0        | 100.0        | 100.0        | 100.0        | 100.0                | 100-0                | 100.0        | 100.0                | 100.0                | 100.0                     | 100.0                | 100.0                    |
| ≥ 700                      | 98.5                 | 99.1                 |                      | 99.7         | 100.0        | 100.0        | 100.0        | 100.0        | 100.0<br>100.0       | 100.0                | 100.0        | 100.0<br>100.0       | 100.0                | 100.0                     | 100.0                | 100.0                    |
| 2 0                        | 98.5                 | 99.1                 | 99.5                 | 99.7         | 100.0        | 100.0        | 100.0        | 100.0        | 100.0                | 100.0                | 100.0        | 100.0                | 100.0                | 100-0                     | 100.0                | 100-0                    |

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC 10.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

JUL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING                    |                      |                      |                  |              |                      |                      | VIS                  | BILITY (STA  | ATUTE MIL            | ES)                  |                      |                      |                      |                            |                      |       |
|----------------------------|----------------------|----------------------|------------------|--------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|-------|
| FFET                       | ≥10                  | ≥6                   | ≥5               | ≥ 4          | ≥3                   | ≥2⅓                  | ≥ 2                  | ≥1½          | ≥11/4                | ≥1                   | ها ≤                 | ≥,•                  | ≥',                  | ≥ 5 16                     | ≥ ′.                 | ≥0    |
| NO CEILING<br>≥ 20000      | 58•2<br>64•3         |                      | 68 • 4<br>77 • 1 | 68.4<br>77.1 | 68.4<br>77.1         | 68.4<br>77.1         | 68.4<br>77.1         | 68.4<br>77.1 | 68.4<br>77.1         | 68.4<br>77.1         | 68 • 4<br>77 • 1     | 68.4<br>77.1         | 68.4<br>77.1         | 68.4<br>77.1               | 68.4<br>77.1         | 77.1  |
| ≥ 18000<br>≥ 16000         | 64.5                 | 77.2                 |                  | 77.2         | 77.2                 | 77.2<br>77.3         | 77.2<br>77.3         | 77.2<br>77.3 | 77.2<br>77.3         | 77.2                 | 77.2                 | 77.2<br>77.3         | 77.2<br>77.3         | 77.2                       | 77.2                 | 77.2  |
| ≥ 14000<br>≥ 12000         | 67.8                 |                      | 80.9             | 80.9         | 78.1<br>80.9         | 78 · 1<br>80 · 9     | 78.1<br>80.9         | 78.1<br>80.9 | 78.1<br>80.9         | 78.1<br>80.9         |                      | 78 • 1<br>80 • 9     | 78.1<br>80.9         | 78.1<br>80.9               | 78.1<br>80.9         | 78.1  |
| ≥ 10000<br>≥ 9000          | 73.4<br>74.1<br>76.7 | 87.4<br>88.3         | 87.4<br>88.3     | _ * *!       | 87.4<br>88.3         | 87.4<br>88.3         |                      | 87.4         | 87.4<br>88.3         | 87.4<br>88.3         | 87.4<br>88.3         | 87.4                 | 87.4<br>88.3         | 87.4<br>88.3               | 87.4<br>88.3         | 88.3  |
| ≥ 8000<br>≥ 7000           | 77.8                 |                      |                  |              | 92.6                 | 91.2<br>92.6<br>94.8 |                      |              | 92.6                 | 91.2<br>92.6<br>94.8 |                      |                      |                      | 91 • 2<br>92 • 6<br>94 • 8 | 91.2<br>92.6<br>94.8 | 92.6  |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 80.8                 |                      | 96.1             | 96.1         | 96.1<br>96.1         | 96.1<br>96.1         | 96.1                 | 96.1<br>96.1 | 96.1                 | 96.1<br>96.1         | 96.1<br>96.1         | 96.1<br>96.1         | 96.1<br>96.1         | 96.1<br>96.1               | 96.1                 | 96.1  |
| ≥ 4000                     | 81.9                 | 97.5<br>98.0         | 97.5             |              | 1                    | 97.5                 | 97.5                 | 97.5         |                      | 97.5                 | 97.5                 | 97.5                 | 97.5                 | 97.5                       | 97.5<br>98.0         | 97.5  |
| ≥ 3000                     | 82.4                 | 98.3<br>98.4         | 98.3<br>98.4     |              |                      | 98.3                 | 98.3                 |              | 98.3                 |                      | 98.3                 | 98.3                 | 99.3                 | 98.3                       | 98.3<br>98.5         | 98.3  |
| ≥ 2000                     | 82.8                 | 98.7                 | 98.7             | 98.9         | 98.9                 | 98.9                 | 98.9                 | 98.9         | 98.9<br>98.9         | 98.9                 | 98.9                 | 98.9                 | 98.9                 | 98.9                       | 98.9                 | 204   |
| ≥ 1500                     | 82.8                 | 98.7                 | 98.9             | 99.1         | 99.1                 | 99.1                 | 99.0                 | 99.1         | 99.0                 | 99.0                 | 99.1                 | 99.0                 | 99.1                 | 99.1                       | 99.0                 | 99.1  |
| ≥ 1000<br>≥ 900<br>≥ 800   | 82.9                 | 98.9<br>98.9<br>99.1 |                  |              | 99.4<br>99.4<br>99.6 | 99.4                 | 99.4<br>99.4<br>99.6 |              | 99.4<br>99.4<br>99.6 | 99.4<br>99.4<br>99.6 | 99.4                 | 99.4                 | 99.4                 | 99.4                       | 99.4                 | 99.4  |
| ≥ 700<br>≥ 600             | 82.9<br>83.0         | 99.1                 | 99.5             | 99.7         | 99.7                 | 99.7                 | 99.7                 | 99.7         | 99.7                 | 99.7                 | 99.6<br>99.7<br>99.9 | 99.6<br>99.7<br>99.9 | 99.6<br>99.7<br>99.9 | 99.7                       | 99.6<br>99.7<br>99.9 | 99.7  |
| ≥ 500<br>≥ 400             | 83.0                 |                      | 1 7 7 7          | 99.9         | 99.9                 | 99.9                 | 99.9                 | 99.9         | 99.9                 | 99.9                 | 99.9                 | 99.9                 |                      | 99.9                       | 99.9                 | 99.9  |
| ≥ 300<br>≥ 200             | 83.0<br>83.0         | 99.4<br>99.4         |                  | 99.9         | 99.9<br>100.0        | 99.9                 | 79.9                 | 99.9         | 99.9                 | 99.9                 | 99.9                 | 99.9                 | 99.9                 | 99.9                       | 99.9                 | 99.9  |
| ≥ 100<br>≥ 0               | 83.0<br>83.0         | 1                    | 99.7             | 99.9         | 100.0                | 00.0                 | 100.0                | 100.0        | 100.0                | 100.0                | 100.0                | 100.0                | 100.0                | 100.0                      | 100.0                | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

930

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-HOURS EST

| CEILING                    |                      |              |                      |              |              |                      | VIS                  | IBILITY (STA | ITUTE MILI           | ES)                  |                      |              |                      |                      |                      |              |
|----------------------------|----------------------|--------------|----------------------|--------------|--------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|--------------|
| FEET                       | ≥10                  | ≥6           | ≥5                   | ≥4           | ≥3           | ≥2⅓                  | ≥.2                  | ≥1½          | ≥1%                  | ≥1                   | ≥ 1,4                | ≥ ¾          | ≥%                   | ≥ 5/16               | ≥'₄                  | ≥0           |
| NO CEILING<br>≥ 20000      | 65.5<br>72.9         | 69.5         | 69.5<br>77.7         | 69.5         | 77.7         | 69.5<br>77.7         | 77.7                 | 77.7         | 69.5<br>77.7         | 77.7                 | 77.7                 | 77.7         | 77.7                 | 77.7                 | 77.7                 | 77.7         |
| ≥ 18000<br>≥ 16000         | 73.1<br>73.1         | 77.9<br>78.0 | 78.0<br>78.0         | 78.0<br>78.0 | 78.0         | 78.0<br>78.0         | 78+0<br>78+0         | 78.0<br>78.0 | 78.0<br>78.0         | 78.0<br>78.0         | 78.0                 | 78.0         | 78.0                 | 78.0                 | 78.0                 | 78-0         |
| ≥ 14000<br>≥ 12000         | 73.7                 | 78.6<br>82.8 | 78.6<br>82.8         | 78.6<br>82.8 | 78.6<br>82.8 | 78.6<br>82.8         | 82.8                 | 82.8         | 78.6<br>82.8         | 78 • 6<br>82 • 8     | 82.8                 | 78.7         | 78.7                 | 78.7                 | 78,7                 | 78.7<br>82.8 |
| ≥ 10000<br>≥ 9000          | 82.8<br>83.5         | 88.1         | 88.2                 | 88.2         | 88.2<br>89.0 | 88.2                 | 89.0                 | 89.0         | 88.2                 | 88 - 2               | 88.2                 | 88.2         | 88.2                 | 88.2<br>89.0<br>91.1 |                      |              |
| ≥ 8000<br>≥ 7000           | 85.5<br>86.3         | 91.9<br>91.9 | 91.9<br>91.9<br>93.6 | 91.0<br>91.9 | 91.9<br>91.9 | 91.0<br>91.9<br>93.6 | 91.9                 |              | 91.0<br>92.0<br>93.6 | 91.0<br>92.0<br>93.6 | 91.1<br>92.0<br>93.6 | 91.1<br>92.0 | 91.1<br>92.0<br>93.6 | 92.0                 | 91.1<br>92.0<br>93.6 |              |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 89.2                 | 95.2         | 93.6<br>95.3<br>95.7 | 93.6<br>95.3 | 95.3         | 93.6<br>95.3         | 93.6<br>95.3<br>95.7 | 95.3<br>95.7 | 95.3<br>95.7         | 95.7                 | 95.3<br>95.7         | 95.7         | 95.3<br>95.7         | 95.7                 | 95.3                 | 95.3<br>95.7 |
| ≥ 4000                     | 91.0                 | 97.1         | 97.2                 | 97.2         | 97.2         | 97.2                 | 97.2                 | 97.2         | 97.2                 | 97.2                 | 97.2                 | 97.2         | 97.2                 | 97.2                 | 97.2                 | 97.2         |
| ≥ 3000<br>≥ 2500           | 91.5                 | 97.8         | 97.8                 |              |              | 4 1                  |                      |              | 97.9                 | 97.9                 | 97.9                 | 97.9         |                      |                      | 97.9                 | 97.9         |
| ≥ 2000<br>≥ 1800           | 92.2                 | 98.5         | 98.6                 | 98.6         | 98.8         |                      | 98.7                 | 98.8         | 98.1                 | 98.7                 | 1                    | 98.7         | 1                    |                      | 98.8                 |              |
| ≥ 1500                     | 92.5                 |              | 99.1                 | '            | 99.4         | 99.4                 | 99.4                 | 99.4         | 99.2                 | 99.4                 | 99.4                 | 99.4         | 99.4                 | 99.4                 | 99.4                 | 99.4         |
| ≥ 1000<br>≥ 900<br>≥ 800   | 92.7                 | 99.2         | 99,3                 | 99.5         |              | 99.5                 | 99.5                 | 99.6         |                      | 99.6                 |                      | 99.6         | 99.6                 | 99.6                 | 99.6                 | 99.6         |
| ≥ 700<br>≥ 600             | 92.7<br>92.7<br>92.8 | 99.3<br>99.3 | 99.5<br>99.5         | 99.6         |              | 99,7                 | 99.7                 | 99.7         | 99.7                 | 99.7                 | 99.8                 |              | 99.6                 | 99.8                 |                      |              |
| ≥ 500<br>≥ 400             | 92.8                 | 99.4         | 99.6                 | 99.7         | 99.9         | 99.9                 | 9.9.9                | 99.9         | 99.9                 | 99.9                 | 99.9                 | 99.9         | 77.                  | 99.9                 | 99.5                 |              |
| ≥ 300<br>≥ 200             | 92.8                 | 99.4         | 99,6                 |              | 99.9         | 99.9                 | 99.9                 | +            | 100.0                | 100.0                | 100.0                | 100.0        | 100.0                |                      | 100.0                | 100.0        |
| ≥ 100<br>≥ 0               | 92.8                 | 99,4         | 99,6                 | 99.8         | 99.9         | 100.0                | 100.0                | 100.0        | 100.0                | 100.0                | 100.0                | 100.0        | 100.0                | 100.0                | 100.0                | 100.0        |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

HALMSTRUM AFB MT/GREAT FALLS

68-77

AUG

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING                    |                      |                      |              |                      |              |                      | VIS          | IBILITY (STA | TUTE MILE    | (S)                  |                      |                      |                      |                      |                      |                      |
|----------------------------|----------------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|--------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| FEET:                      | ≥10                  | ≥6                   | ≥5           | ≥4                   | ≥3           | ≥2½                  | ≥2           | ≥1%          | ≥1¼          | 21                   | ≥ 1,4                | ≥ >%                 | ≥ ⅓                  | ≥ 5-16               | ≥'₄                  | ≥0                   |
| NO CEILING<br>≥ 20000      | 59.6                 | 72.0<br>76.8         | 72.0         | 72.0<br>76.8         | 72.0<br>76.8 | 72.0<br>76.8         | 72.0<br>76.8 | 72.0<br>76.8 | 72.0         | 72.0<br>76.8         | 72.0<br>74.8         | 72.0                 | 72.0<br>76.8         | 76.8                 | 72.0<br>76.8         | 76.9                 |
| ≥ 18000<br>≥ 16000         | 59.6<br>59.8         | 76.8<br>77.0         | 77.0         | 76.8<br>77.0         | 76.8         | 76.8<br>77.0         | 76.8         | 76.8<br>77.0 | 76.8         | 76.8<br>77.0         |                      | 76.8                 | 76.8                 | 76.8                 | 76.8                 | 77.1                 |
| ≥ 14000<br>≥ 12000         | 63.5                 | 81.4                 | 78.0         | 78.0<br>81.4         | 78.0         | 78.0<br>81.4         | 78.0<br>81.4 | 78.0<br>81.4 | 78.0<br>81.4 | 78.0<br>81.4         | 78.0                 | 78.0<br>81.4         | 78.0<br>81.4         | 78.0<br>81.4         | 78.0<br>81.4         | 81.5                 |
| ≥ 10000<br>≥ 9000          | 67.0                 | 85.7                 | 85.7         | 85.7                 | 85.7         | 85.7                 | 85.4<br>85.7 | 85.4<br>85.7 | 85.7         | 85.4                 | 85.4<br>85.7<br>88.0 | 85.4<br>85.7<br>88.0 | 85.4<br>85.7         | 85.4<br>85.7<br>88.0 | 85.4<br>85.7         | 85.5<br>85.8<br>88.1 |
| ≥ 3000<br>≥ 7000           | 70.1<br>70.6         | 89.5                 | 88.0<br>89.5 | 89.5                 | 89.5         | 88.0<br>89.5         | 88.0<br>89.5 | 88.0<br>89.5 | 89.5<br>90.5 | 88.0<br>89.5<br>90.5 | 89.5                 | 88.0<br>89.5<br>90.5 | 89.5                 | 88.0<br>89.5<br>90.5 | 89.5                 | 89.6                 |
| ≥ 6000<br>≥ 5000           | 72.9                 | 93.1                 | 93.1         | 93.1                 | 93.1         | 93.1                 | 93.1         | 93.1         | 93.1         | 93.1                 | 93.1                 | 93.1                 | 93.1<br>93.7         | 93.1                 | 93.1                 | 93.2                 |
| ≥ 4500<br>≥ 4000<br>≥ 3500 | 74.8                 | 95.1<br>96.2         | 95.1         | 95.1                 | 95.1         | 95.1                 | 95.1         | 95.1         | 95.1         | 95.1                 | 95.1                 | 95.1                 | 95.1<br>96.2         | 95.1                 | 95.1<br>96.2         | 95.2<br>96.3         |
| ≥ 3000                     | 76.0                 | 96.6                 | 96.6         | 96.6                 | 96.6         | 96.6<br>96.8         | 96.6         | 96.8         | 96.8         | 96.8                 | 96.6                 | 96.8                 | 96.6                 | 96.6                 | 96.6                 |                      |
| ≥ 2600                     | 76.3<br>76.5         | 97.3<br>97.5         | 97.3         | 97.3                 | 97.3<br>97.5 | 97.3                 | 97.3         | 97.5         | 97.3         | 97.3                 | 97.5                 | 97.3<br>97.5         | 97.5                 | 97.3                 | 97.3<br>97.5         |                      |
| ≥ 1500                     | 76.6<br>76.8         | 98.0<br>98.2         | 98.0         | 98.0                 | 98.0         | 98.0<br>98.2         | 98.2         | 98.2         | 98.0         | 98.2                 | 98.0                 | 98.0                 | 98.2                 | 98.2                 | 98.0                 | 98.3                 |
| ≥ 1000<br>≥ 900            | 77.0                 | 98.5                 | 98.6         | 1 4 - 7 -            | 98.6         | 98.6                 | 98.6         | 98.6         | 98.6         | 98.6                 | 98.6                 | 98.6                 | 98.6                 | 98.6                 | 98.6<br>98.6<br>98.9 | 98.7                 |
| ≥ 800<br>≥ 700             | 77.0                 | 98.8                 | 98.9         | 98.9<br>98.9<br>99.0 | 98.9<br>98.9 | 98.9<br>98.9<br>99.0 | 98.9<br>98.9 | 98.9         | 98.9<br>98.9 | 98.9<br>98.9         | 98.9<br>98.9<br>99.0 | 98.9<br>98.9<br>99.0 | 98.9<br>98.9<br>99.0 | 98.9                 | 98.9                 | 99.0                 |
| ≥ 600<br>≥ 500<br>≥ 400    | 77.1<br>77.1<br>77.5 | 98.9<br>98.9<br>99.5 | 99.0         | 99.0                 | 99.0         | 99.0<br>99.6         | 99.0         | 99.0         | 99.0         | 99.0                 | 1 2 2 2              | 99.0                 | 99.0                 | 99.0                 | 99.0                 |                      |
| ≥ 300<br>≥ 200             | 77.5                 | 99.6                 | 99.7         | 99.7                 | 99.7         | 99.7                 | 99.8         | 99.8         | 99.8         | 99.8                 | 99.8                 | 99.8                 | 99.8<br>99.8         | 99.8                 |                      | 99.9                 |
| ≥ 100<br>≥ 0               | 77.5                 | 99.6                 | 99.7         | 99.7                 | 99.7         | 99.7                 | 99.8         | 99.8         | 99.8         |                      | 99.8                 | 99.8                 | 1 - 5                | 1 11 1 -             | 1.5                  | 99.9                 |

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

#### CEILING VERSUS VISIBILITY

24112

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MALMSTRUM AFB MT/GREAT FALLS

68-77

MAHC \_\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>\_0300-050</del>0

| CEILING                    |                      |                      | <del></del>          |              |              |                      | VIS                  | IBILITY (STA | ATUTE MILI           | ESI                  |                      |                      |                      |              |              |                            |
|----------------------------|----------------------|----------------------|----------------------|--------------|--------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|----------------------------|
| FEET                       | ≥10                  | ≥6                   | ≥5                   | ≥4           | ≥3           | ≥2%                  | ≥2                   | ≥1½          | ≥1¼                  | ≥1                   | ≥ ¼                  | ≥,*                  | ≥ ⅓                  | ≥ 5/16       | ≥'₄          | ≥0                         |
| NO CEILING<br>≥ 20000      | 61.0<br>65.3         | 72.3                 | 72.3<br>77.7         | 72.3<br>77.7 | 72.3         | 72.3                 | 72.3                 | 72.3<br>77.7 | 72.3<br>77.7         | 72.5<br>78.0         | 72.5<br>78.0         | 72.5<br>78.0         | 72.5<br>78.0         | 72.5<br>78.0 | 72.5<br>78.0 | 72.5<br>78.0               |
| ≥ 18000<br>≥ 16000         | 65.6                 | 77.7<br>78.1         | 77.7<br>78.1         | 77.7<br>78.1 | 77.7         | 77.7                 | 77.7<br>78.1         | 77.7<br>78.1 | 77.7<br>78.1         | 78.0<br>78.3         | 78.d<br>78.3         | 78.0<br>78.3         | 78.0<br>78.3         | 78.0<br>78.3 | 78.3         | 78 • 0<br>78 • 3           |
| ≥ 14000<br>≥ 12000         | 66.0<br>68.9         | 78.5<br>82.2         | 78.5<br>82.2         | 78.5<br>82.2 | 78.5<br>82.2 | 78,5<br>82.2         | 78.5<br>82.2         | 78.5<br>82.2 | 78.5<br>82.2         | 78.7<br>82.4         | 78.7<br>82.4         | 78.7                 | 78.7<br>82.4         | 78.7<br>82.4 | 78,7<br>82.4 | 78 • 7<br>82 • 4           |
| ≥ 10000<br>≥ 9000          | 72.0<br>72.5         | 85.5<br>86.1         | 85.5                 | 85.5<br>86.1 | 86.1         | 85.5<br>86.1         | 85 <b>.5</b><br>86.1 | 85.5<br>86.1 | 86.1                 | 86.3                 | 86.3                 | 85.7<br>86.3         | 85.7                 | 85.7<br>86.3 | 85.7<br>86.3 | 85.7<br>E-88               |
| ≥ 8000<br>≥ 7000           | 73.4                 | 87.2<br>88.3         | 88.3                 |              | 88.3         | 87.2                 | 87.2<br>88.3         | 87.2<br>88.3 | 87.2<br>88.3         | 87.4<br>88.5         | 87.4                 | 87.4<br>88.5         | 87.4                 | 87.4<br>88.5 | 87.4<br>88.5 | 87.4<br>-88.5              |
| ≥ 6000<br>≥ 5000           | 75.9<br>78.0         | 90,0<br>92.4<br>92.7 | 90.0                 | 92.4         | 90.0         |                      | 90.0<br>92.4         | 92.4         | 90.0                 | 92.6                 | 90.2                 | 90.2                 | 92.6                 |              |              | 90.2                       |
| ≥ 4500<br>≥ 4000           | 78.2<br>79.2<br>79.9 | 93.8                 | 92.7                 | 93.8         |              | 92.7                 | 92.7<br>93.8         |              | 92.7<br>93.8<br>94.6 | 92.9<br>94.0<br>94.8 | 94.0                 | 92.9<br>94.0<br>94.8 | 94.0                 | 92.9         | 94.0         | 92.9<br>_ <del>94.</del> 0 |
| ≥ 3500<br>≥ 3000           | 80.4                 | 95.3<br>95.6         | 94.6<br>95.3<br>95.6 | 95.3         | 95.3         | 94.6                 | 95.3                 | 95.3         | 95.3                 | 95.5                 | 95.5                 | 95.5                 | 94.8                 | 94.8         | 95.5         | 94.8<br>95.5               |
| ≥ 2500<br>≥ 2000<br>≥ 1800 | 81.7                 | 96.9                 | 97.0<br>97.1         | - " - "      | '            | 95.6<br>97.0<br>97.1 | 95.6<br>97.0<br>97.1 | I            | 95.6<br>97.0         | 95.8<br>97.2<br>97.3 | 95.8<br>97.2<br>97.3 | 95.8<br>97.2<br>97.3 | 95.8<br>97.2<br>97.3 | 97.2         | 97.2         | 97.2                       |
| ≥ 1500<br>≥ 1500           | 81.8                 | 97.2                 | 97.3                 | 97.3         | 97.3         | 97.7                 | 97.3                 | 97.3         | 97.3                 | 97.5                 | 97.5                 | 97.5<br>98.0         | 97.5                 | 97.5         | 97.5         | 97.5                       |
| ≥ 1000                     | 82.0                 | 97.6                 | 97.7                 | 97.7<br>98.1 | 97.7         | 97.7<br>98.1         | 97.7                 | 97.7         | 97.7                 | 98.0                 | 98.0                 | 98.0                 | 98.0                 | 98.0         | 98.0         | 98.0                       |
| ≥ 800                      | 82.0                 | 98.0                 | 98.3                 | 98.3         | 15.5         | 98.3                 | 98.4                 | 98.3         | 98.3                 | 98.5                 | 98.5                 | 98.5                 | 98.5                 | 98.5         | 98.5         | 98.5                       |
| ≥ 600                      | 82.4                 | 98.3                 | 98.7                 | 98.8         | 98.9         | 98.9                 |                      | 98.9         | 98.9                 | 99.1                 | 99.1                 | 97.1                 | 99.5                 | 99.1         | 99.1         | 99.1                       |
| ≥ 400                      | 82.4                 | 98.6                 | 99.0                 | 99.1         | 99.4         | 99.4                 | 99.4                 | 99.4         | 99.4                 | 99.6                 | 99.6                 | 99.6                 | 99.6                 | 99.6         | 99.6         | 99.6                       |
| ≥ 200                      | 82.4                 | 98.6                 |                      |              |              | 99.5                 | 99.8                 | 99.8         | 99.8                 | 100.0                | 100.0                |                      |                      | 100-0        |              | 100-0                      |
| ≥ 0                        | 82.4                 | 98.6                 | 99.0                 | 99.2         |              |                      |                      | 1 ,          |                      |                      | مومدا                |                      |                      |              |              |                            |

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

#### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING                    |                      |                      |                      |                      |                      |              | VIS                  | IBILITY (STA | ATUTE MILI   | ES)          |              | ····         |              |              |      |              |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|--------------|
| FEET.                      | ≥10                  | ≥6                   | ≥5                   | ≥4                   | ≥3                   | ≥2%          | ≥2                   | ≥1½          | ≥1¼          | ≥1           | ≥ ¾          | ≥ ⅓          | ≥ 1/7        | ≥5 16        | ≥ ,  | ≥0           |
| NO CEILING<br>≥ 20000      | 67.1                 | 67.5<br>73.5         | 67.5<br>73.5         | 67.5<br>73.5         | 67.5                 | 67.5<br>73.5 | 67.5<br>73.5         |              | 67.5<br>73.5 | 67.5<br>73.5 |              |              |              |              |      |              |
| ≥ 18000<br>≥ 16000         | 73.2<br>73.9         | 73.7<br>74.3         | 73.7                 | 73.7<br>74.3         | 73.7                 | 73.7<br>74.3 | 73.7                 | 73.7<br>74.3 | 73.7         | 73.7         | 73.7<br>74.3 | 73.7         | 73.7<br>74.3 | 73.7<br>74.3 |      | 73.9<br>74.5 |
| ≥ 14000<br>≥ 12000         | 79.0                 | 79.5                 | 79.5                 | 79.5                 | 79.5                 | 75.4         | 75.4                 | 75.4         | 75.4         | 75.4         | 75.4         | 75.4<br>79.5 | 75.4<br>79.5 | 75.4<br>79.5 |      | 75.6         |
| ≥ 10000<br>≥ 9000          | 83.9<br>83.9         | 83.4<br>84.3         | 83.4<br>84.3         | 83.4<br>84.3         | 84.3                 | 83.4<br>84.3 | 83.4                 | 83.4         | 84.3         | 84.3         | 83.4         | 84.3         | 84.3         | 84.3         | 84.3 | 84.5         |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 87.0<br>88.3         | 87.4<br>88.9         | 87.4                 | 87.4                 | 85.9<br>87.5         | 87.5<br>89.1 | 85.9<br>87.5         | 85.9<br>87.5 | 85.9<br>87.5 | 85.9<br>87.5 | 87.5         | 87.5         |              |              | 87,5 |              |
| ≥ 5000<br>≥ 5000<br>≥ 4500 | 90.3                 | 91.1                 | 91.1                 | 91.1                 | 91.3                 | 91.3         |                      | 91.3         | 91.3         | 91.3         | 91.3         | 91.3         | 91.3         | 91.3         | 91.3 | 91.5         |
| ≥ 4000<br>≥ 3500           | 92.0                 | 92.8                 | 92.8                 | 92.8                 | 93.0                 | 93.0         | 93.8                 | 93.0         |              | 93.0         | 93.0         | 93.8         | 93.0         | 93.0         | 93.0 | 93.2         |
| ≥ 3000                     | 93.1                 | 94.0                 | 94.2                 |                      | 94.5<br>95.1         |              | 94.6                 | 94.6         | 94.6         | 94.6         | 94.6         | 94.6         | 94.6         | 94.6         | 94.6 | 94.8         |
| ≥ 2000<br>≥ 1800           | 94.3                 | 95.5<br>95.5         | 95.6<br>95.8         | 95.7                 | 95.9                 | 96.0         | 96.0                 | 96.0         | 96.0         | 96.0         | 96.0         | 96.0         |              | 96.0         | 96.0 | 96.2         |
| ≥ 1500                     | 94.7                 | 96.1                 | 1                    | 97.4                 | 1 1 7 9              | 97.7         | 97.7                 |              | 97.7         | 97.7         | 97.7         | 97.0<br>97.7 |              |              |      |              |
| ≥ 1000                     | 95.6                 | 97.0<br>97.2         | 97.7                 | 97.8                 | 98.1                 | 98.2         | 98.2                 | 98.2         | 98.2         |              | 98.2         |              | 98.2         | 98.2         | 98.2 | 98•4         |
| ≥ 800<br>≥ 700<br>≥ 600    | 95.6<br>95.8<br>95.9 | 97.2<br>97.5<br>97.6 | 97.8<br>98.3<br>98.5 | 98.0<br>98.4<br>98.6 | 98.2<br>98.6<br>98.9 | 98.7         | 98.3<br>98.7<br>99.0 | 98.7         | 98.7         | 98.7         | 98.7         |              | 98.7         | 98.7         | 98.7 | 98.9         |
| ≥ 500<br>≥ 400             | 95.9                 | 97.8<br>97.8         | 7 7 7                |                      | 99.2                 | 99.4         | 99.4                 | 99.4         |              |              | 99.5         | 99.5         | 99.5         | 99.5         | 99.5 | 99.7         |
| ≥ 300<br>≥ 200             |                      | 97.8                 | 98.8                 | 98.9                 | 99.4                 | 99.6         | 99.6                 |              | 99.8         | 99.8         | 99.8         | 99.8         | 99.8         | 99.8         | 99.8 |              |
| ≥ 100<br>≥ 0               | -                    | 97.8<br>97.8         |                      |                      | 99.4                 | 99.6         | 99.6                 | 99.7<br>99.7 | 99.8         |              | 99.8         |              | 99.8         | 99.8         | 99.8 |              |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

24112-

MALMSTROM AFB MT/GREAT FALLS 68-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

~បទីបីក់"**†±0**0

| CEILING                    |                      |         |               |        |       |              | VISI         | BILITY (STA  | LTUTE MILL   | S)    |                      |                            |                      |                      |       |                                       |
|----------------------------|----------------------|---------|---------------|--------|-------|--------------|--------------|--------------|--------------|-------|----------------------|----------------------------|----------------------|----------------------|-------|---------------------------------------|
| FEET                       | ≥10                  | ≥6      | ≥5            | ≥ 4    | ≥3    | ≥21/2        | ≥ 2          | ≥1%          | ≥1%          | ≥1    | ≥ 1,4                | ≥٢٠                        | ≥ ",                 | ≥ 5-16               | ≥.    | ≥0                                    |
| NO CEILING<br>≥ 20000      | 66.6                 | 66.8    | 66.8          |        |       | 66.8         | 66.8         | 66.8<br>73.3 | 66.8<br>73.3 | 66.8  | 66.8                 | 66 · 8                     | 73.3                 | 73.3                 | 73,3  | 66.8                                  |
| ≥ 18000<br>≥ 16000         | 73.4                 | 73.7    | 73.7          |        |       | 73.7<br>73.9 | 73.7<br>73.9 | 73.7<br>73.9 | 73.7         |       | 73.7<br>73.9         | 73.7<br>73.9               | 73.7                 | 73.9                 | 73.9  | 73.7                                  |
| ≥ 14000<br>≥ 12000         | 75.2<br>79.0         | 79.2    | 75.4<br>79.2  | 79.2   | 79.2  | 79.2         | 75.4<br>79.2 | 79.2         | 75.4<br>79.2 | 79.2  | 79.2                 | 75.4<br>79.2               | 75.4<br>79.2         | 79.2                 | 79.2  | 75 • 4<br>79 • 2                      |
| ≥ 10000<br>≥ 9000          | 83.4                 | 84.6    | 4 <del></del> |        | 84.6  | 84.6         |              | 84.6         | 83.7         | 84.6  |                      | 83.7                       | 83.7                 | 83.7                 | 84,4  | 83.7                                  |
| ≥ 8000<br>≥ 7000           | 88.5                 | 88.7    |               |        |       | 88.7         |              | 88.7         |              |       | 87.1<br>88.7<br>89.5 | 87 • 1<br>88 • 7<br>89 • 5 | 87.1<br>88.7<br>89.5 | 87.1<br>88.7<br>89.5 | 88.7  | 88.7                                  |
| ≥ 6000<br>≥ 5000           | 90.6                 | 90.9    | 91.0          | 91.0   | 91.0  | 91.0         | 91.0         | 91.0         | 91.0         | 91.0  | 91.0                 | 91.8                       | 91.0                 | 91.0                 | 91.0  | 91.0                                  |
| ≥ 4500<br>≥ 4000           | 91.9                 | 92.2    | 92.3          | 92.3   | 92.3  | 92.3         | 92.3         | 92.3         | 92.3         | 92.3  | 92.3                 | 92.4                       | 92.                  | 92.3                 | 92,3  | 92.3                                  |
| ≥ 3500<br>≥ 3000<br>≥ 2500 | 92.6                 | 92.9    | 93.0          | 93.0   | 93.0  | 93.0         | 23.0         | 93.0         | 93.0         | 93.0  | 93.0                 | 93.0                       | 93.0                 | 93.0                 | 93.0  | 93.8                                  |
| ≥ 2000<br>≥ 1800           | 94.                  | 94.0    | 94.9          | 95.1   | 95.1  | 95.1         | 95.1         | 95.1         | 95.1         | 95.0  | 95.6                 | 95.1                       |                      |                      | 95.6  |                                       |
| ≥ 1500                     | 95.                  | <u></u> |               | 96.6   | 90.6  |              | 96.6         | 96.6         | ·            | 97.   | 97.5                 |                            | 97.                  | 97.                  | 97.   | 97.5                                  |
| ≥ 1000                     | 95.<br>95.           | 9 97.   | 2 97.8        | 98.    | 98.1  | 98.1         | 98.2         | 98.2         | 98.2         | 98 .  | 98.2                 | 98.2                       |                      | 98.2                 | 98.2  | 93.2                                  |
| ≥ 800                      | 96.                  | 6 98.   | 0 98.         | 7 98.9 | 98.9  | 98.9         | 99.0         | 99.0         | 99.0         |       | 99.0                 |                            |                      | 99.0                 | 99.0  | 99.0                                  |
| ≥ 500<br>≥ 400             | 96 •<br>96 •<br>96 • | 7 98.   | 3 99.         | 1 99.  | 99.   | 99.5         | 99.6         | 99.6         | 99.6         | 99.0  | 99.6                 |                            | 99.                  | 99.6                 | 99.6  | 99.6                                  |
| ≥ 300<br>≥ 200             | 96.                  | 7 98.   | 4 99.         | 2 99.0 | 99.6  | 99.6         | 99.7         | 99.7         | 99.          | 99.   | 7 99.7               | 99.                        | 99.                  | 7 99.                | 99.7  | · · · · · · · · · · · · · · · · · · · |
| ≥ 100<br>± 0               | 96.                  | 7 98.   | 4 99.         |        | 5 99. | 99.8         | 99.9         | 100.0        | 100.0        | 100-0 |                      | 100.0                      | 100.0                | 100.0                | 100.0 | 100.0                                 |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

68-77

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING                    |                      |                            |                      |              |                      |                      | VIS  | SIBILITY (STA | ATUTE MILI           | ES)       |       |                      |      |        |                      |                      |
|----------------------------|----------------------|----------------------------|----------------------|--------------|----------------------|----------------------|------|---------------|----------------------|-----------|-------|----------------------|------|--------|----------------------|----------------------|
| FEET,                      | ≥10                  | ≥6                         | ≥5                   | ≥4           | ≥3                   | ≥2%                  | ≥?   | ≥11/2         | ≥1¼                  | ≥1        | ≥ 1,4 | ≥,•                  | ≥%   | ≥ 5/16 | ≥'.                  | ≥0                   |
| NO CEILING<br>≥ 20000      | 64.4<br>72.2         | 64.7<br>72.5               | 64.7<br>72.5         | 64.7<br>72.5 | 72.5                 | 64.7<br>72.5         |      |               | 72.5                 | 72.5      |       | 64.7<br>72.5         | 72.5 |        | 64.7<br>72.5         |                      |
| ≥ 18000<br>≥ 16000         | 72.4<br>72.8         | 72.7<br>73.1               | 72.7                 | 72.7         | 72.7                 | 72.7<br>73.1         | 72.7 | 72.7          | 72.7                 | 72.7      | 72.7  | 72.7                 | 72.7 | 72.7   | 72.7                 | 72.7<br>73.1         |
| ≥ 14000<br>≥ 12000         | 74.3<br>78.7         | 74.6                       |                      | 79.0         | 79.0                 | 74.6                 |      | 79.0          | 74.6                 |           | 79.0  | 74.6                 | 79.0 | 79.0   | 74,6<br>79.0<br>83.9 | 74.6<br>79.0<br>83.9 |
| ≥ 10000<br>≥ 9000          | 83.5                 | 83.9                       | 84.4                 | 84.4         | 84.4                 | 83.9                 | 83.9 | 84.4          | 83.9<br>84.4<br>86.9 | 84.4      | 84.4  | 83.9<br>84.4<br>86.9 | 84.4 | 84.4   | 84.4                 | 84.4                 |
| ≥ 8000<br>≥ 7000           | 86.9<br>88.4         | 86 • 8<br>87 • 2           | 86.8<br>87.2<br>88.7 | 86.9<br>87.3 | 86.9<br>87.3<br>88.8 | 86.9<br>87.3         |      | 87.3          | 87.3                 | 87.3      | 87.3  | 87.3                 | 87.3 | 87.3   | 87.3                 | 87.3                 |
| ≥ 6000<br>≥ 5000           | 89.9                 | 90.3                       | 90.3                 |              | 90.4                 | 90.4                 | 90.4 | 90.4          | 90.4                 | 90.4      | 90.4  | 90.4                 | 90.4 | 90.4   | 90.4                 | 90.4                 |
| ≥ 4500<br>≥ 4000<br>≥ 3500 | 92.7                 | 93.1                       | 93.1                 | 93.8         | 93.3                 | 93.3                 | 93.8 | 93.3          | 93.3                 | 93.3      | 93.3  | 93.8                 | 93.3 | 93.3   |                      | 93.3                 |
| ≥ 3000                     | 93.9                 | 94.3                       | 94,3                 |              | 94.5                 | 94.6                 | 94.6 |               | 94.6                 | 94.6      | 94.6  |                      |      | 95.5   | 95,5                 | 95.5                 |
| ≥ 2000                     | 95.2                 | 95.9                       | 96.0                 | 96.2         | 96.2                 | 96.3<br>96.3         | 96.3 | 96.3          | 96.3                 | 96.3      | 96.3  | 1                    | 96.3 | 96.3   | 96.3                 | 96.3                 |
| ≥ 1500                     | 95.5                 | 96.3                       | 96,5                 | 97.5         | 96.8                 | 96.9                 | 96.9 | 96.9          | 96.9                 | 97.7      | 97.7  | 97.7                 | 97.7 | 97.7   | 97,7                 | 97.7                 |
| ≥ 1000                     | 96.0                 | 97,7                       | 98.0                 | 98.3         | 98.4                 | 98.5                 | 98.5 |               | 98.5                 | 1 4 - 1 " | 1     |                      | 98.5 | 98.5   | 98.5                 | 98 - 5               |
| ≥ 800<br>≥ /00<br>≥ 600    | 96.2<br>96.6<br>96.6 | 98 • 1<br>98 • 5<br>98 • 5 | 98.9                 | 99.2         | 98.9<br>99.4<br>99.4 | 99.0<br>99.5<br>99.5 | 99.5 | 99.5          | 99.0                 | 99.5      | 99.5  |                      | 99.5 | 99.5   | 99,5                 | 99.5                 |
| ≥ 600<br>≥ 500<br>≥ 400    | 96.6                 | 1                          | 99.0                 | 99.4         | 99.5                 | 99.6                 |      |               |                      | 99.6      |       |                      | 99.6 | 99.6   | 99.6                 | 99.6                 |
| ≥ 300<br>≥ 200             | 96.6                 | 1                          | 99.1                 | 99.5         | 99.7                 | 99.8                 | 99.8 |               | 99.8                 | 99.8      |       |                      |      |        | 99.8                 |                      |
| ≥ 100<br>≥ 0               | 96.6                 | 98.7                       | 99.1                 | 99.5         | 99.8                 | 99,9                 |      | 100.0         |                      |           |       |                      |      |        |                      |                      |

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

## CEILING VERSUS VISIBILITY

MALHSTROM AFB MT/GREAT FALLS 68-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>-1500-1700</u>

| CEILING                 |              |              |                      |              |                      |                  | VIS          | IBILITY (STA         | ATUTE MILI   | ESı              |              |               |              |               |               |                      |
|-------------------------|--------------|--------------|----------------------|--------------|----------------------|------------------|--------------|----------------------|--------------|------------------|--------------|---------------|--------------|---------------|---------------|----------------------|
| FEET                    | ≥10          | ≥6           | ≥5                   | ≥4           | ≥3                   | ≥2%              | ≥ 2          | ≥1½                  | ≥1¼          | ≥۱               | ≥ '4         | ≥'•           | ≥ ′⁄2        | ≥ 5/16        | ≥ ¼           | ≥0                   |
| NO CFILING<br>≥ 20000   | 59.6<br>69.0 | 59.6<br>69.0 | 59.6<br>69.0         | 69.0         | 59.6<br>69.0         | 59.6<br>69.0     | 59.6<br>69.0 | 69.0                 | 59.6         | 59.6<br>69.40    | 59.6<br>69.0 | 59.6<br>69.0  |              | 59.6<br>69.0  | 59.6          | 59.6<br>69.0         |
| ≥ 18000<br>≥ 16000      | 69.4<br>69.9 | 69.4         | 69.4                 | 69.4         | 69.4                 | 69.4             | 69.4<br>69.9 | 69•4<br>69•9         | 69.4<br>69.9 | 69.4<br>69.9     | 69.4         | 69.4          |              | 69.4          | 69.4          | 69.4                 |
| ≥ 14000<br>≥ 12000      | 71.0<br>76.6 | 71.0<br>76.6 | 71.0<br>76.6         | 71.0<br>76,6 | 71.0<br>76.6         | 71.0<br>76.6     | 71.0<br>76.6 | 71.0<br>76.6         | 71.0<br>76.6 | 71.0             | 71.0<br>76.6 | 71.0<br>-76.6 | 71.0<br>76.6 | 71.0<br>-76.6 | 71.0<br>-76.5 | 71.0<br>-76.6        |
| ≥ 10000<br>≥ 9000       | 81.8<br>82.8 |              | 81.8<br>82.8         |              | 82.8                 | 81 · 8<br>82 · 8 | 82.8         | 52.0                 | 81.8         | 81 • 8<br>82 • 8 | 81.8         | 81.8          | 82.8         | 81.8          | 81.8          | 81.8                 |
| ≥ 8000<br>≥ 7000        | 84.6<br>85.9 | 84.6<br>85.9 | 84.6                 | 85.9         |                      | 85.9             |              | 85.9                 | 85.9         | 85.9             | 84.6         | 85.9          | 85.9         | 84.6          | 84.6<br>85.9  | 84.6                 |
| ≥ 6000<br>≥ 5000        | 89.1<br>91.9 | 89.4<br>92.3 | 89.4<br>92.3         | 89.4<br>92.3 | 89.4<br>92.3         | 92.3             | 92.3         | 89.4                 | 89.4<br>92.3 | 89.4<br>92.3     | 89.4<br>92.3 | 89.4<br>92.3  | 92.3         | 89.4<br>92.3  | 92.3          | 89.4<br>92.3         |
| ≥ 4500<br>≥ 4000        | 93.3         | 93.7         | 93.7<br>95.1         | 93.7<br>95.1 | 93.7<br>95.3         | 93.7             | 93.7<br>95.3 | 93.7<br>95.3         | 93.7<br>95.3 | 93.7             | 93.7         | 93.7<br>95.3  | 93.7<br>95.3 | 93.7          | 93,7<br>95.3  | 93.7                 |
| ≥ 3500<br>≥ 3000        | 95.6         | 95,7<br>96.0 |                      | 95.8         | 96.6                 |                  | 96.6         | 96.6                 | 96.6         | 96.6             | 96.6         | 96.0          | 96.6         | 96.6          | 96.6          | 96.6                 |
| ≥ 2500<br>≥ 2000        | 96.5         | 96.9<br>97.3 | 97.5                 |              |                      | 97<br>97.8       |              |                      | 97.4         | 97.8             | 97.8         | 97.8          | 97.4         | 97.8          | 97.4<br>97.8  | 97.8                 |
| ≥ 1800<br>≥ 1500        | 96.6<br>96.8 | 97.7         | 97.6<br>98.0<br>98.3 | 98.1         | 98.0<br>98.3<br>98.6 | 98,3             | 98.3         | 98.3                 | 98.3         | 98.3             | 98.3         | 98.0<br>98.3  | 98.3         | 98.3          | 98.3          | 98.3                 |
| ≥ 1200                  | 97.0         |              | 98.6                 | 98.7         | 98.9<br>98.1         | 98.6<br>98.9     | 98.6<br>98.9 | 98.6<br>98.9<br>99.1 |              |                  | 98.9         | 98.6<br>98.9  |              | 1 2 1 7       |               | 98.6<br>98.6<br>99.1 |
| ≥ 900<br>≥ 800<br>≥ 700 | 97.2         | 98.5         |                      | 99.0         | 99.2                 | 99.2             | 99.2         | 99.2                 | 99.5         | 99.2             | 99.5         | 99.5          |              | 99.2          | 1 6177        | 99.2                 |
| ≥ 600                   | 97.2         | 98.5<br>98.7 | 98.9                 | 1 3 3 7 5    | 99.5                 | 99.5             | 99.5         | 99.5                 | 99.5         | 99.5             | 99.5         | 99.5          | 99.5         | 99.5          | 99.5          | 99.5                 |
| ≥ 500<br>≥ 400<br>≥ 300 | 97.3         | 98.7         | 99.1                 | 99.5         | 99.8                 | 99.8             | 99.8         | 99.5                 | 99.8         | 99.8             | 99.9         | 99.9          | 99.9         | 99.9          | 99.9          | 99.9                 |
| ≥ 100                   | 97.3         | 98.7         | 99.1                 | 99.5         | 99.8                 | 99.8             | 99.8         | 99.9                 | 99.9         | 99.9             |              | 100.0         | 100-0        | 100.0         | 100.0         | 100.0                |
| ≥ 0                     | 97.3         |              | 99.1                 | 99.5         |                      | 99.8             | - 7 1        |                      |              |                  | 100-0        |               |              |               |               |                      |

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS

68-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

|                            |              |                      |              | ·            |              | <del> </del>         | VIS                          | IBIL-TY (ST | ATUTE MIL            | ES)    |              |                      |       | <del></del>          |                      |                      |
|----------------------------|--------------|----------------------|--------------|--------------|--------------|----------------------|------------------------------|-------------|----------------------|--------|--------------|----------------------|-------|----------------------|----------------------|----------------------|
| CEILING<br>FEET            | ≥10          | ≥6                   | ≥5           | ≥4           | ≥3           | ≥ 21/3               | ≥2                           | ≥1%         | ≥1¼                  | ≥1     | ≥ ⅓4         | ≥ >•                 | - 2   | ≥ 5/16               | ≥'₄                  | ≥0                   |
| NO CEILING<br>≥ 20000      | 61.0         | 69.6                 | 61.7         | 61.7         | 61.7         | 61.7                 | 61.7                         | 61.7        | 61.7                 |        |              | 61.7                 |       | 61.7                 | 61.7                 | 61.7                 |
| ≥ 18000<br>≥ 16000         | 69.0<br>70.0 | 70.9                 | 69,9<br>70,9 | 69.9<br>70.9 | 69.9<br>70.9 | 69.9<br>70.9         | 69 <b>.9</b><br>70 <b>.9</b> | 69.9        | 69.9                 | 69.9   | 69.9         | 69.9                 | 69.9  | 69.9                 |                      | 69.9                 |
| ≥ 14000<br>≥ 12000         | 71.0<br>75.7 | 71.9                 | 71.9         | 71.9         | 71.9         | 71.9                 | 71.9<br>76.7                 | 71.9        | 71.9<br>76.7         | 71.9   | 71.9<br>76.7 | 71.9<br>76.7         | 76.7  | 71.9<br>76.7         | 71.9                 | 71.9<br>76.7         |
| ≥ 10000                    | 81.6         | 82.2<br>82.8         | 82.8         | 82.2         | 82.2<br>82.8 | 82.2<br>82.8         |                              | 82.8        |                      | 82.8   | 82.8         |                      |       |                      | 82.2                 |                      |
| ≥ 8000<br>≥ 7000           | 84.9<br>89.7 | 86.1                 | 86.1         | 86.1         | 86.1         | 86.1                 | 86.1                         | 86.1        | 86.1                 | 86.1   | 86.1         | 86.1                 | 86.1  | 84.5                 | 84.5<br>86.1         | 84.5<br>86.1         |
| ≥ 6000<br>≥ 5000           | 91.9         | 93.5                 | 93,5         | 93.5         | 93.5         | 91.2                 | 91.2                         | 93.5        |                      | 93.5   | 93.5         | 91.2                 | 93.5  | 93.5                 |                      | 93.5                 |
| ≥ 4500<br>≥ 4000<br>≥ 3500 | 94.0         | 95.7                 | 95.8         | 95.9         | 95.9         | 93.8<br>95.9<br>96.7 | 93.8<br>95.9                 |             | 93.8<br>95.9<br>96.7 |        | 93.8<br>95.9 | 93.8<br>95.9<br>96.7 | 95.9  | 95.9                 | 93.8                 | 93.8<br>95.9         |
| ≥ 3000<br>≥ 3000<br>≥ 2500 | 95.2         | 96.9                 | 97.0         | 97.2         | 97.2         | 97.2<br>97.6         | 97.3                         |             |                      | 97.3   | 97.3         | 97.3                 | 97.3  | 96.7<br>97.3<br>97.7 | 96,7<br>97.3<br>97.7 | 96.7<br>97.3<br>97.7 |
| ≥ 2000<br>≥ 1800           | 95.6         | 97.7                 | 98.0         | 98.2         | 98.2         | 98.2                 | 98.4                         | 98.4        | 98.4                 | 98.4   | 98.4         | 98.4                 | 98.4  | 98.4                 | 98.4<br>98.6         | 98.4                 |
| ≥ 1500<br>≥ 1200           | 96.2         | 98.5                 | 98.7         | 98.9         | 98.9         | - 7 7                | 99.1                         | 99.1        | 99.1                 |        | 99.1         | 99.1                 | 99.1  | 99.1                 | 99.1                 | 99.1                 |
| ≥ 1000                     | 96.5         | 98.7                 | 98.9         | 99.1         | 99.1         | 99.2                 | 99.5                         | 99.6        |                      | 99.6   | 99.6         | 99.6                 | 99.6  | 99.6                 | 99.6                 | 99.6                 |
| ≥ 800                      | 96.5         | 98.7                 | 98,9         | 99.4         | 99.1         | 99.6                 | 99.5                         | 100.0       | 100.0                | 99.7   | 99.7         | 199.7                | 100.0 | 99.7                 | 99.7                 | 99.7                 |
| ≥ 600                      | 96.5         | 98.7                 | 98,9         | 99.4         | 99.5         | 99.6                 | 99.8                         | 100.0       | 100.0                | 100.0  | 100.0        | 100.0                | 100.0 | 100.0                | 100.0                | 100.0                |
| ≥ 400<br>≥ 300<br>≥ 200    | 96.5         | 98.7<br>98.7<br>98.7 | 98,9         | 99.4<br>99.4 | 99.5         | 8 7 7 7              | 99.8                         | 100.0       | 100.0                | 100.01 | 100.0        | 100.0                | 100.0 | 100.0                | L00.0                | laa.o                |
| ≥ 100                      | 1 7 7 7 1    | 98.7                 | 98,9         | 99.4         | 1 3 4 5      |                      | 79.5                         | 100.0       | 100.0                | 100.0  | L00+0        | 100.0                | 100.0 | 100.0                | L00.0                | 100.0                |
| ≥ 0                        | 40.2         | 98.7                 | 98.9         | 99.4         | 99.5         | 99.6                 | 79.8                         | 100.0       | 100.0                | 100+0  | 100.0        | 100.0                | 100.0 | 100.0                | 100.0                | 100.0                |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLI

## CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_<del>2100=2300</del>

| CEILING                 |              |              | <u></u>      | <del></del>      | <u> </u>     | <del></del>  | VIS            | IBILITY (ST. | ATUTE MIL    | ES)          |              | -            |                |                  |              | ^            |
|-------------------------|--------------|--------------|--------------|------------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|----------------|------------------|--------------|--------------|
| FEET                    | ≥10          | ≥6           | ≥5           | ≥4               | ≥3           | ≥2%          | ≥2             | ≥1⅓          | ≥1¼          | ≥1           | ≥ 1/4        | ≥ ⅓          | ≥%             | ≥ 5/16           | ≥ ¼          | ≥0           |
| NO CEILING<br>≥ 20000   | 51•3<br>54•7 | 65.7<br>71.0 | 65.7         | 65.7<br>71.0     | 65.7<br>71.0 | 65.7         | 65.7<br>71.0   | 65.7         | 65.7         | 65.7<br>71.0 | 65.7         | 65.7         | 65.7           | 65.7             | 65.7         | 65.7         |
| ≥ 18000<br>≥ 16000      | 55.1<br>55.2 | 71.3         | 71.3         | 71.3             | 71.3         | 71.3<br>71.4 | 71.3           | 71.3<br>71.4 | 71.3         | 71.3         | 71.3         | 71.3<br>71.4 | 71.2           | 71.3             | 71.3         | 71.3         |
| ≥ 14000<br>≥ 12000      | 56.0<br>59.9 | 72.4         | 72.4<br>76.8 | 72.4<br>76.8     | 72.4<br>76.8 | 72.4         | 72.4           | 72.4         | 72.4<br>76.8 | 72.4         | 72.4         | 72.4         | 72.4           | 72.4             | 72.4         | 72.4<br>76.8 |
| ≥ 10000<br>≥ 9000       | 64.8         | 82.2<br>83.4 | 82.2<br>83.4 | 82.2<br>83.4     | 82.2<br>83.4 | 82.2<br>83.4 | 82.2<br>83.4   | 82.2<br>83.4 | 82.2         | 82.2<br>83.4 | 82.2         | 82.2         | 82.2<br>82.4   | 82 · 2<br>83 · 4 | 82.2         | 82 • Ź       |
| ≥ 8000<br>≥ 7000        | 66.9         | 84.9         | 84,9<br>87,1 | 84.9<br>87.1     | 84.9<br>87.1 | 84.9<br>87.1 | 84.9<br>87.1   | 84.9<br>87.1 | 84.9<br>87.1 | 84.9<br>87.1 | 84.9<br>87.1 | 84.9         | 84.9<br>87.1   | 84.9<br>87.1     | 84.9         | 84.9<br>87.1 |
| ≥ 6000<br>≥ 5000        | 71.1         | 90.5         | 90,5         | 90.5             | 90.5<br>94.1 | 90.5         | 90.5<br>94.1   | 90.5         | 90.5         | 90.5<br>94.1 | 90.5         | 90.5         | 90.5           | 90.5             | 90.5         | 90.5         |
| ≥ 4500<br>≥ 4000        | 74.4         | 94.6         | 94.6         | 94.6             | 94.7         | 94.7         | 94.7           | 94.7         | 94.7         | 94.7<br>96.5 | 94.7         | 94.7         | 94.7           | 94.7             | 94.7         | 94.7         |
| ≥ 3500<br>≥ 3000        | 76.2<br>76.3 | 96.8         | 96,8         | 96.8             | 96.9         | 96.9         | 96.9<br>97.2   | 96.9         | 96.9         | 96.9<br>97.2 | 96.9         | 96.9         | 96.9           | 96.9             | 96.9         | 96.9         |
| ≥ 2500<br>≥ 2000        | 76.8         | 97.2         | 98.2         | 98.2             | 97.5<br>98.3 | 97.5<br>98.3 | 97.5           | 97.5<br>98.3 | 97.5<br>98.3 | 97.5<br>98.3 | 97.5<br>98.3 | 97.5         | 97.5<br>98.3   | 97.5             | 97.5         | 97.5<br>98.3 |
| ≥ 1800<br>≥ 1500        | 76.9         | 98.7         | 98.9         | 98.3             | 98.4<br>99.1 | 98.4         | 98.4<br>99.1   | 98.4<br>99.1 | 98.4<br>99.1 | 98.4<br>99.1 | 98.4<br>99.1 | 98.4<br>99.1 | 98.4           | 98.4<br>99.1     | 98,4<br>99,1 | 98.4         |
| ≥ 1200<br>≥ 1000        | 77.2         | 99.0<br>99.1 | 99.4         | 99.4             | 99.5         | 99.5         | 99.5           | 99.5         | 99.5         | 99.5         | 99.5         | 99.5         | 99.5           | 99.5             | 99.5         | 99.5         |
| ≥ 900<br>≥ 800<br>≥ 700 | 77.2         | 99.1         | 99,4<br>99,4 | 99.5<br>99.5     | 99.6         | 99.6         | 99.6           | 99.6         | 99.6         | 99.6         | 99.6         | 99.6         | 99.6           | 99.6             | 99.6         | 99.6         |
| ≥ 600                   | 77.2         | 99.1         | 99.7         | 99.8             | 99.9         | 99.9         | 99.9           | 99.9         | 99.9         | 99.9         | 99.9         | 99.9         | 99.9           | 99.9             | 99.9         | 99.9         |
| ≥ 500<br>≥ 400<br>≥ 300 | 77.3         | 99.2         | 99.8         | - 2 <b>v</b> - 1 | 100.0        | 100.0        | 100.0          | 100.0        | 100.0        | 100.0        |              | 100.0        | 100.0<br>100.0 |                  | 100.0        |              |
| ≥ 300<br>≥ 200<br>≥ 100 | 77.3         | 99.2         | 99,8         | 99.9             | 100.0        | 100.0        | 100.0          | 100-0        | 100.0        | 100.0        | 100.0        | 100.0        | 100-0          | 100.0            | 100.0        | 100.0        |
| ≥ 0                     | 77.3         | 99.2         | 99.8         | 99.9             | 100.0        | 100.0        | 100.0<br>100.0 | 100.0        | 100.0        | 100.0        | 100 · 0      |              | 100-0          | 100.0            | 100-0        | 100-0        |

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBS

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS

68-77

AUG

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING                    |                  |              |              |              |              |              | VIS          | BILITY (ST           | ATUTE MILI   | ES)          |              |              |              |              |              |                            |
|----------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|
| FEET,                      | ≥10              | ≥6           | ≥5           | ≥4           | ≥3           | ≥2%          | ≥2           | ≥1%                  | ≥1½          | ≥1           | ≥ ₁²         | ≥ %          | ≥ '7         | ≥5 16        | ≥ '4         | ≥0                         |
| NO CEILING<br>≥ 20000      | 60.9<br>67.0     | 66.3<br>72.9 | 66.3<br>72.9 | 66.3<br>72.9 | 66.3<br>72.9 | 66.3<br>72.9 | 66.3<br>72.9 | 66.3<br>72.9         | 66.3<br>72.9 | 66.3<br>73.0 | 66.3<br>73.0 | 66.3<br>73.0 | 66.3<br>73.0 | 66.3<br>73.0 | 66.3<br>73.0 | 66.3<br>73.0               |
| ≥ 18000<br>≥ 16000         | 67.6             | 73.1<br>73.6 | 73.1<br>73.6 | 73.6         | 73.1<br>73.6 | 73.1<br>73.6 | 73.1         | 73.1                 | 73.1<br>73.6 | 73.2<br>73.6 | 73.2<br>73.6 | 73.2<br>73.6 | 73.2         | 73.2<br>73.6 | 73.2         | 73.2<br>73.6               |
| ≥ 14000<br>≥ 12000         | 72.7             | 78.9         | 78.9         | 78.9         | 74.6<br>78.9 | 78.9         | 74.6         | 74.6                 | 74.6         | 78.9         | 74.7         | 74.7         | 78.9         | 78.9         | 78.9         | 74.7                       |
| ≥ 10000<br>≥ 9000          | 77.7             | 84.3         | 84.3         | 84.3         | 84.3         | 84.3         | 84.3         | 84.3                 | 84.3         | 84.3         | 84.3         | 84.3         | 84.3         | 84.3         | 84.3         | 83.6                       |
| ≥ 8000<br>≥ 7000           | 80.8             | 87.5<br>87.5 | 87.5<br>89.8 | 87.5         | 87.6         | 87.6<br>89.9 | 87.6<br>87.6 | 86 1<br>87.6<br>89.9 | 87.6<br>59.9 | 87.6<br>89.9 | 87.6         | 87.6<br>87.6 | 87.6<br>89.9 | 87.6         | 87.6<br>89.9 | 86 • 2<br>87 • 6<br>89 • 9 |
| ≥ 6000<br>≥ 5000           | 82 · 8<br>84 · 9 | 92.2         | 92.2         | 92.2         | 92.3         | 92.3         | 92.3         | 92.3                 | 92.3         | 92.3         | 92.3         | 92.3         | 92.3         | 92.3         | 92,3         | 92.3                       |
| ≥ 4500<br>≥ 4000           | 86.9             | 94.2         | 94.3         | 94.3         | 94.4         | 94.4         | 94.4         | 94.4                 | 94.4         | 94.4         | 94.4         | 94.4         | 94.4         | 94.4         | 94.4         | 94.4                       |
| ≥ 3500<br>≥ 3000<br>≥ 2500 | 87.9             | 95.4         | 95,5         | 95.5         | 95.6         | 95.6         | 95.6         | 95.6                 | 95.6         | 95.7         | 95.7         | 95.7         | 95.7         | 95.7         | 95.7         | 95.7<br>96.3               |
| ≥ 2500<br>≥ 2000<br>≥ 1800 | 88.8             | 96.7         | 96.8         | 96.9         | 97.0         | 97.0         | 97.0         | 97.0                 | 97.0         | 97.1         | 97.1         | 97.1         | 97.1         | 97.1         | 97.1         | 97.1                       |
| ≥ 1500<br>≥ 1200           | 89.2             | 97.8         | 97.5         | 97.7         | 97.7         | 97.8         | 97.8         | 97.8                 | 97.8         | 97.8         | 97.8         | 97.8         | 97.8         | 97.8         | 97.8         | 97.8<br>98.3               |
| ≥ 1000                     | 89.7             | 98,0         | 98.3         | 98.4         | 98.5         | 98.5         | 98.6         | 98.6                 | 98.6         | 98.6         | 98.6         | 98.6         | 98.6<br>98.8 | 98.6         | 98.6<br>98.8 | 98.7<br>98.8               |
| ≥ 800                      | 89.7             | 98.2         | 98.6<br>98.8 | 98.8         | 98.8         | 98.9         | 98.9         | 98.9                 | 98.9         | 99.0         | 99.0         | 99.0         | 99.0         | 99.0         | 99.0         | 99.0                       |
| ≥ 600<br>≥ 500             | 90.0             | 98.5         | 99.0         | 99.2         | 99.3         | 99.3         | 99.4         | 99.4                 | 99.4         | 99.4         | 99.4         | 99.4         | 99.4         | 99.4         | 99.4         | 99.5<br>99.7               |
| ≥ 400                      | 90.0             | 98.7         | 99,2         | 99.4         | 99.6         | 99.6         | 99.7         | 99.7                 | 99.7         | 99.8         | 99.7         | 99.7         | 99.9         | 99.7         | 99.7         | 99.8                       |
| ≥ 100                      | 90.0             | 98.7         | 99.2         | 99.4         | 99.7         | 99.7         | 99.8         | 99.9                 | 99.9         | 99.9         | 99.9         | 99.9         | 99.9         | 99.9         |              | 00.0                       |
| _ ≥ _ 0                    | 90.0             | 40 . 1       | 99.2         | 99.4         | 99.7         | 199.7        | 99.8         | 99.9                 | 99.9         | 99.9         | 99.9         | 199.9        | 99.9         | 99.9         | 99.9         | <u> </u>                   |

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

#### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0000-0200

| CEILING               |              |         |      |              |              |              | VIS          | BILITY (STA  | ATUTE MIL    | ES)          |       |              | ,       |             |              |              |
|-----------------------|--------------|---------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|---------|-------------|--------------|--------------|
| FEET.                 | ≥10          | ≥6      | ≥5   | ≥4           | ≥3           | ≥2%          | ≥2           | ≥1%          | ≥1%          | ≥1           | ≥ ¾   | ≥¾           | ≥%      | ≥ 5/16      | ≥ 0          | ≥0           |
| NO CEILING<br>≥ 20000 | 52.9<br>56.7 | 66.2    | 66.2 | 66.2         | 66.2         |              |              |              | 66.2         | 66.2<br>71.2 |       | 66.2         | 66.2    | 66.2        | 66.2<br>71.2 | 66.2         |
| ≥ 18000<br>≥ 16000    | 56.8<br>56.9 | 7 1     | 71.3 | 71.3<br>71.4 | 71.3         | 71.3         | 71.3<br>71.4 | 71.3         | 71.3         | 71.3         | 71.3  | 71.3         | 71.3    | 71.3        | 71.3         | 71.3         |
| ≥ 14000<br>≥ 12000    | 57.6         | 72.3    | 72.3 | 72.3<br>76.1 | 72.3<br>76.1 | 72.3<br>76.1 | 72.3<br>76.1 | 72.3<br>76.1 | 72.3<br>76.1 | 72.3<br>76.1 | 7.2.3 | 72.3<br>76.1 | 72.3    | 72.3        | 72.3         | 72.3         |
| ≥ 10000 ≥ 0000        | 64.6         | 81.6    | 81.6 |              | 81.6         | 81.6         |              | 81.6         | 81.6         | 81.6         | 81.6  |              | 81.6    | 81.6        | 81.6         | 81.6<br>83.6 |
| ≥ 8000<br>≥ 7000      | 68.2         | 86.2    | 86.2 |              |              |              | 86.2         | 86.2         | 86.2         | 86.2         | 86.2  | 86.2         |         | 86.2        |              | 86.2         |
| ≥ 6000<br>≥ 5000      | 70.8         | 7. 1. 1 | 88.9 |              | 88.9         | 88.9         |              |              | 88.9         |              | 88.9  |              | 88.9    |             |              |              |
| ≥ 4500<br>≥ 4000      | 73.3<br>73.9 | 91.7    | 91.7 | 91.7         | 91.7         | 91.7         | 91.7         | 91.7         |              | 91.7         | 91.7  | 91.7         | 91.7    | 91.7        | 91.7         | 91.7         |
| ≥ 3500<br>≥ 3000      | 74.4         | 93.1    | 93.1 | 93.1         | 93.1         | 93.1         | 93.1         | 93.1         | 93.1         | 93.1         | 93.1  | 93.1         | 93.1    | 93.1        | 93.1         | 93.1         |
| ≥ 2500<br>≥ 2000      | 75.4<br>76.0 | 94.2    | 94.2 |              | 94.2         | 94.2         |              | 94.2         |              |              |       |              |         |             | 94.2         | 94.2         |
| ≥ 1800<br>≥ 1500      | 76.4         | 95.4    | 95.6 | ,            |              |              | 95.6         | 95.6         | 95.6         |              | 95.6  | 95.6         | 95.6    | 95.6        | 95.6         |              |
| ≥ 1200<br>≥ 1000      | 77.0         | 96.4    |      | 96.7         | 96.7         | 96.7         | 96.7         | 96.7         | 96.7         | 96.7         | 96.7  | 96.7         | 96.7    | 96.7        | 96.7         |              |
| ≥ 900<br>≥ 800        | 77.8<br>77.8 | 97.2    | 97.4 | 97.4         | 97.6         | 97.6         | 97.8         | 97.8         | 97.8         |              | 98.1  | 98.1<br>98.1 | ·98 · 1 | 98.1        | 98.1         |              |
| ≥ /00<br>≥ 600        | 77.8         | 97.2    | 97.6 | 97.6         | 97.7         | 97.7         | 97.9         |              | 97.9         | 98.2         | 98.2  | 98.2         | 98.2    | <del></del> |              | 98 . 2       |
| ≥ 500<br>≥ 400        | 77.8         | 97.2    | 97.7 | 97.7         | 97.9         | 98.1         | 98.4         | 98.8         | 98.8         | 99.1         | 99.1  | 99.1         | 99,1    |             | 99.1         | 99,1         |
| ≥ 300<br>≥ 200        | 77.8         |         | 98.0 | 98.0         | 98.3         | 98.6         |              | 99.4         | 99.4         | 99.8         | 99.8  | 99.8         | 99.8    | 99.8        | 4            | 99.8         |
| ≥ 100<br>≥ 0          | 77.8         |         | 98.0 |              | 98.3         | 98.6         |              | 99.7         | 99.7         | 100.0        | 100.0 | 100.0        | 100-0   | 100.0       | 100.0        | 100.0        |

TOTAL NUMBER OF OBSERVATIONS

900

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING                    |              |              |              |                      |              | <u></u>              | ٧١\$         | IBILITY (STA | TUTE MILE            | <b>E</b> \$1         |              |                      |              |                      |                                         |              |
|----------------------------|--------------|--------------|--------------|----------------------|--------------|----------------------|--------------|--------------|----------------------|----------------------|--------------|----------------------|--------------|----------------------|-----------------------------------------|--------------|
| FEET.                      | ≥10          | ≥6           | ≥5           | ≥4                   | ≥3           | ≥2⅓                  | ≥2           | ≥1%          | 51,                  | ≥١                   | ≥ 1/4        | 24                   | ≥ γ          | ≥5 16                | ≥.'                                     | ≥0           |
| NO CEILING<br>≥ 20000      | 53.7<br>57.4 | 66.7<br>72.1 | 66.1<br>72.1 | 66.7<br>72.2         | 66.7         | 66.7<br>72.3         | 66.7         | 66•7<br>72•4 | 66.7<br>72.4         | 66.7<br>72.4         | 65.7<br>72.4 | 66.7<br>72.4         | 66.7         | 72.4                 | 72.4                                    | 72.4         |
| ≥ 18000<br>≥ 16000         | 57.4<br>57.6 | 72.1         | 72,2         | 72.3                 | 72.3         | 72.3                 | 72.3         |              | 72.4                 | 72.6                 | 72.6         | 72.6                 | 72.4         | 72.6                 | 72.6                                    | 72.6         |
| ≥ 14000<br>≥ 12000         | 58.0<br>61.6 | 76.9         | 76.9         | 77,0                 | 77.1         | 77.1                 | 73.0         | 73.1         | 77.2                 | 73.1                 | 77.2         | 73.1                 | 73.1<br>77.2 | 73.1<br>77.3<br>81.7 | 73,1<br>77,3<br>81.7                    | 77.3         |
| ≥ 10000<br>≥ 9000          | 65.2         | 82.1         | 82.1         | 81.3<br>82.2<br>84.9 | 82.3         | 81.4<br>82.3<br>85.0 | 82.3<br>85.0 | 4            | 81.6<br>82.4<br>85.1 | 81.6<br>82.4<br>85.1 | 1 : 1        | 81.6<br>82.4<br>85.1 | 82.4         | 82.6<br>85.2         | 82.5<br>85.2                            |              |
| ≥ 8000<br>≥ 7000           | 68.7         | 84,8         | 84.8         | 86.0                 | 86.1         | 86.1                 | 86.1<br>87.9 | 86.2         | 86.2                 | 86.2                 | 86.2         | 86.2                 | 86.2         | 86.3                 |                                         | 86.3         |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 72.2         | 89.9<br>91.2 | 89,9         | 3111                 | 90.2         | 90.2                 | 90.2         | 90.3         | - • 11               |                      | 90.3         |                      |              |                      |                                         | 90.4         |
| ≥ 4000<br>≥ 3500           | 75.6         | 92.8         | 92.8         | 1 - 1 -              | 93.1         | 93.1                 | 93.1         | 93.2         | 93.2                 | 93.7                 | 93.2         |                      |              | 93.8                 | 93.8                                    | 93.8         |
| ≥ 3000                     | 75.6         | 93.6         | 94.1         | 93.7                 | 94,4         |                      | 93.9         | 94.0         | 24.6                 | 94.6                 | 94.0         | 94.6                 | 94.6         | 0.                   | 94.7                                    | 94.7         |
| ≥ 2000<br>≥ 1800           | 77.2         | 95.3         | 95,3         | 95.4                 | 95.8         | 75.8                 | 95.8         | 95.9         | 95.9                 | 95.9                 |              | 95.9                 | 95.9         |                      | 96.0                                    | 96+0         |
| ≥ 1500<br>≥ 1200           | 77.4         | 95.7         | 95.7         | 95.8                 | 96.3         | 96.1                 |              |              | 96.6                 | 95.6                 | 36+6         | 96.6                 | 96.6         | 96.4<br>96.7<br>97.2 | 96.4<br>96.7<br>97.2                    |              |
| ≥ 1000<br>≥ 1000<br>≥ 800  | 77.7         | 96.3<br>96.6 | 96.7         | 96.6                 | 97.2         | 96.9<br>97.2<br>97.2 | 97.2         | 97.3         | 97.4<br>97.4         | 97.4                 | 97.4<br>97.4 | 97.4<br>97.4         | 97.4<br>97.4 | 97.6                 | 1                                       | 1 4 2        |
| ≥ /00<br>≥ 600             | 77.9         | 96.6         | 1            | 97.2                 | 97.7         | 97.7                 | 97.8         | 98.0         | 98 · 1               | 98.2<br>98.3         | 98.2         | 98.2                 | 98.2         | 98.3                 | 98.3                                    | 98.3         |
| ≥ 500<br>. ≥ 400           | 77.9         | \$6.7        | 97.4         | 97.6                 | 98.0         |                      | 98.2         | 98.6         | 98.5                 | 99.0                 |              |                      |              | 99.1                 | 99.1                                    | 99.1<br>99.3 |
| ≥ 300<br>≥ 200             | 77.9         |              | 97.6         | 97.8                 | 98.6         | 98.7                 |              | 99.1         | 99.4                 | 99.7                 | 99.7         | 99,9                 | 99.9         |                      | 100.0                                   |              |
| ≥ 100<br>≥ 0               | 77.9         | 1 3 4 5      | 97.6         | 1 -                  | 98.6<br>98.6 |                      | 98.8         | 99.1         | 99.4                 | 99.7                 | 99.7         | 99.9                 | 1 2          | L * /~               | L * * * * * * * * * * * * * * * * * * * | 100.0        |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE CLESOLE

### CEILING VERSUS VISIBILITY

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MALMSTRUM AFB MT/GREAT FALLS 68-77

"SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0600-0800

| CEILING                    |                      |                      |                      |                      |                      |                      | VIS          | IBILITY (STA | TUTE MILI            | ES)                  |                      |                      |                      |                           |                      |                            |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------------|----------------------|----------------------------|
| FEET                       | ≥10                  | ≥6                   | ≥5                   | ≥ 4                  | ≥3                   | ≥277                 | ≥2           | ≥1%          | ≥1%                  | ≥۱                   | ≥ <sup>1</sup> .a    | ≥',                  | ≥';                  | ≥ 5/16                    | 5.1                  | ≥0                         |
| NO CEILING<br>≥ 20000      | 58.2<br>65.2         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4 | 58.4<br>66.4 | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4         | 58.4<br>66.4              | 58.4<br>66.4         | 58 • 4<br>- 66 • 4         |
| ≥ 18000<br>≥ 16000         | 66.6                 | 66.8                 | 66.6                 |                      | 66.6                 | 66.6<br>66.8         | 66 <b>.6</b> | 66•6<br>66•8 | 66.6<br>8.66         | 66.6<br>66.8         | 6.66<br>8.66         | 66.6                 | 66.6                 | 66.6<br>8.66              | 66.6                 | -66 · H                    |
| ≥ 14000<br>≥ 12000         | 67.9                 | 68.1<br>72.6         | 72.6                 |                      | 68.1<br>72.6         | 68.1<br>72.6         | 68.1<br>72.6 | 68.1<br>72.6 | 68 • 1<br>72 • 6     | 68.1<br>72.6         | 68.1<br>72.6         | 68.1<br>72.6         | 68.1<br>72.6         | 68.1<br>72.6              | 68.1<br>72.6         | 72.6                       |
| ≥ 10000<br>≥ 9000          | 77.7                 | 77.9                 | 77.9                 |                      | 77.9                 | 77.9<br>79.0         | 77.9<br>79.0 |              | 77.9<br>79.1         | 77.9                 | 79.1                 | 77.9<br>79.1         | 77.9                 | 77.9<br>_ <del>79.2</del> | 77.9                 | 77.9                       |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 81.0<br>82.9<br>85.0 | 81.2<br>83.1<br>85.2 | 81.2<br>83.1<br>85.2 | 81.2<br>83.1<br>85.2 | 81.2<br>83.1<br>85.2 | 81.2<br>83.1<br>85.2 | 81.2         | 83.2         | 81.3<br>83.2<br>85.3 | 81.3<br>83.2<br>85.3 | 81.3<br>83.2<br>85.3 | 81.3<br>-83.2        | 81.4<br>83.3         | 81.4<br>83.3<br>85.4      | 81.4<br>83.3<br>85.4 | 83.3                       |
| ≥ 5000<br>≥ 5000<br>≥ 4500 | 86.7<br>87.8         | 87.1<br>88.2         | 87.1                 | 87.1                 | 87.1<br>88.2         | 87.1<br>88.2         | 87.1         | 87.2         | 87.2<br>88.3         | 87.2<br>88.3         | 87.2<br>88.3         | 85.3<br>87.2<br>88.3 | 85.4<br>87.3<br>88.4 | 87.3<br>88.4              | 87.3<br>88.4         | 85 • 4<br>87 • 3<br>88 • 4 |
| ≥ 4000<br>≥ 3500           | 89.1<br>90.0         | 89.9                 |                      | 90.0                 |                      | <u>50.1</u><br>91.1  | 90.1<br>91.1 | 90.2         | 90.2<br>91.2         | 90.2<br>91.2         | 90.2                 | 90.2                 | 90.3                 | 90.3                      | 90.3                 | 90.3                       |
| ≥ 3000<br>≥ 2500           | 90.4                 | 91.6                 | 91.7                 | 91.7                 | 91.7                 | 91.8                 | 91.8         | 91.9         | 91.9                 | 91.9                 | 91.9                 | 91.9                 | 92.0                 | 92.0<br>93.0              | 92.0                 | 92.0                       |
| ≥ 2000<br>≥ 1800           | 92.3                 | 94.0                 | 94,4                 |                      | 94.3                 | 94.6                 | 94.6         | 94.7         | 94.7<br>95.0         | 94.7                 | 94.7                 | 94.7<br>95.0         | 94.8<br>95.1         | 94.8                      | 94.8<br>95.1         | 94.8<br>95.1               |
| ≥ 1500<br>≥ 1200<br>≥ 1000 | 92.9                 | 94.3                 | 95,2                 | 95.2                 | 95.4                 | 95.7                 | 95.7         | 95.8         |                      |                      |                      |                      |                      |                           |                      | 96.0                       |
| ≥ 900<br>≥ 800             | 93.3                 | 95.2                 | 95.7                 | 95.8                 | 96.1                 | 96.3                 | 96.3         | 96.4         | 96.7                 | 96.7                 | 96.7                 | 96.7                 | 96.4<br>96.8         |                           |                      | 96.8                       |
| ≥ 700<br>≥ 600             | 93.6<br>93.6<br>93.7 | 95.8<br>96.2<br>96.3 | 96.4                 | 96.6                 | 96.4<br>97.0<br>97.1 |                      |              | 97.6         | 97.8                 |                      | 97.9                 | 97.2<br>98.0<br>98.3 | 97.3<br>98.1<br>98.4 | 98 · 1                    | 97.3<br>98.1<br>98.4 | 97.3<br>98.1<br>98.4       |
| ≥ 500<br>≥ 400             | 93.8                 | 96.7<br>96.7         | 96.9                 | 97.0                 | 97.4                 | 97.7                 | 97.09        | 98.3         | 98.6                 | 98,6                 | 98.7                 | 98.8                 | 98.9                 | 98.9                      | 98.9                 | 98.9                       |
| ≥ 300<br>≥ 200             | 93.8<br>93.8         | 96.7<br>96.7         | 96.9                 | 97.1                 | 97.8                 | 98.0                 | 98.2         | 98.9         | 99.1                 | 99.3<br>99.3         | 99.4                 | 99.6                 | 99.8                 | 99.8                      | 99.9                 | 99.9<br>100.0              |
| > 100<br>≥ 0               | 93.8<br>93.8         | 96.7<br>96.7         | 96.9                 |                      | 97.8<br>97.8         | 98.0                 | 98.2         |              | -                    | 99.3                 |                      | 99.6                 |                      |                           |                      | 100.0                      |

TOTAL NUMBER OF OBSERVATIONS

900

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM

### CEILING VERSUS VISIBILITY

24112

MALMSTROM AFR MT/GREAT FALLS

48-77

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING                    |                      | <del></del>          | ,                    |                      |                      |                      | VIS          | BILITY (STA | ITUTE MIL            | ES)                  |                   |              |              |              |                      |                      |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|-------------|----------------------|----------------------|-------------------|--------------|--------------|--------------|----------------------|----------------------|
| ttt1                       | ≥10                  | ≥6                   | ≥5                   | ≥ 4                  | ≥3                   | ≥21/2                | ≥2 .         | ≥1%         | ≥1¼                  | ≥1                   | ≥ <sup>1</sup> ,0 | ≥'•          | ۵, ≷         | ≥5 16        | ≥'4                  | ≥0                   |
| NO CEILING<br>≥ 70000      | 60.3<br>68.1         | 60.3<br>68.1         | 60.3<br>68.1         | 60.3<br>68.1         | -                    | 60.3<br>68.1         | 68.1         | 08.1        | 68.1                 | 68.1                 | 68.1              | 68.1         | 68.1         | 68.1         | 68.1                 | 68.1                 |
| ≥ 18000<br>≥ 16000         | 68.8<br>68.8         | 68.8                 | 68.8                 | 68.8                 | 68.8                 | 68.8<br>68.8         | 68.8         | 68.8        |                      | 68.8                 | 68.8              |              | 68.8         | 68.8         | 48.8                 | 68.8                 |
| ≥ 14000<br>≥ 12000         | 70.0                 | 70.0                 | 70.0                 | 70.0<br>73.7         | 70.0                 | 70.0<br>73.7         |              |             | 70.0<br>73.7         | 73.7                 | 73.7              | 73.7         | 73.7         | 73.7         | 73.7                 | 73.7                 |
| ≥ 10000<br>≥ 9000          | 79.6<br>80.6<br>83.1 | 79.6<br>80.7<br>83.2 | 79,6<br>80.7<br>83.2 | 79.6<br>80.7<br>83.2 | 79.6<br>80.7<br>83.2 | 79.6<br>80.7<br>83.2 | 80.7         | 80.7        | 79.6<br>80.7<br>83.2 | 80.7                 | 80.7              | 80.7         | 80.7         |              | 79.6<br>80.7<br>83.2 | 80.7                 |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 84.7                 | 84.8                 |                      | 84.8                 | 84.8                 | 84.8                 | 84.8         | 84.8        | 84.8                 | 84.8                 | 84.8              | 84.8         | 84.8         | 84.8         | •                    | 84.8                 |
| ≥ 5000                     | 87.7                 | 87.8<br>88.3         | 87.8                 | 87.8                 | 87.8                 | 87.8                 | 87.8         | 87.8        | 87.8                 | 87.8                 | 87.8              | 87.8         | 87.8         | 87.8         | 87.8                 | 87.8                 |
| 2 4000                     | 89.3<br>89.9         |                      | 89.4<br>90.2         |                      | 99.4<br>90.2         |                      | 89.4         | 29.4        | 89.4                 | 89.4                 | 90.2              |              | 89.4         | 89.4         | 89.4                 | 89.4                 |
| ≥ 3000                     | 90.3                 | 91.4                 | 91.6                 | 91.6                 | 1                    | 91.6                 | 91.6         | 91.6        | 91.6                 | 91.6                 | 91.6              | 91+6         |              | 91.6         | 91.6                 | 91.6                 |
| ≥ 2000                     | 91.9                 | 93.2                 | 93.6                 | _                    | 93.7                 | 93.7                 | 93.7         | 93.7        | 93.7                 |                      | 93.7              | 93.7         |              | 93.7         | 93.7                 | 93.7                 |
| ≥ 1500<br>≥ 1200<br>≥ 1000 | 93.6<br>94.2<br>94.8 | 95.8                 | 96.2                 | 96.2                 |                      | 96.7                 | 96.7         | 96.7        | 96.7                 | 95.7<br>96.7<br>97.6 | 96.7              | 96.7         | 96.7         |              | 96.7                 | 95.7<br>96.7<br>97.6 |
| ≥ 900<br>≥ 800             | 94.8                 | 96.7                 |                      | 97.1                 | 97.6                 | 97.6                 | 97.6         |             | 97.6                 |                      | 97.6              | 97.6         |              | 97.6         |                      | 97.6                 |
| ≥ /00<br>≥ 600             | 95.0<br>95.0         |                      | 97.6                 | 97.6                 | 98.1                 |                      | 98.1<br>98.3 |             | 98.2<br>98.6         | 98.3<br>98.9         | 98.3              | 98.3<br>98.9 | 98.3<br>98.9 | 98.3<br>98.9 | 98.9                 | 98.9                 |
| ≥ 500<br>≤ 400             | ,                    | 97.4                 | 1                    | 98.0                 | 98.7                 | 98.7                 | 98.9         | 99.0        | 99.2                 | 99.4                 | 99.7              | 99.7         | 99.7         | 99.7         | 99.7                 | 99.7                 |
| ≥ 300<br>≥ 200             | 95.0                 | 97.6                 | 98.1                 | 98.1                 | 98.8                 | 98.3                 | 99.1         | 99.2        | 99.4                 | 100.0                | 100.0             | 100-0        | 100.0        | 100.0        | 100.0                | 100.0                |
| ≥ 100<br>≥ 0               |                      | 97.6                 | 98.1                 | 98.1                 | , , , , ,            | 98.8<br>98.8         |              |             |                      |                      | 100.0             |              | F - • • •    | F - : -,     | Į,                   | 100-0                |

TOTAL NUMBER OF OBSERVATIONS

900

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#### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-120051400

| CEILING                 |                      |              |                      |              |              |                  | VIS              | IBILITY (STA     | ATUTE MIL            | ES)                  |              |      |       |                      |              |               |
|-------------------------|----------------------|--------------|----------------------|--------------|--------------|------------------|------------------|------------------|----------------------|----------------------|--------------|------|-------|----------------------|--------------|---------------|
| FEET.                   | ≥10                  | ≥6           | ≥5                   | ≥ 4          | ≥3           | ≥2%              | ≥ 2              | ≥1½              | ≥1¼                  | ≥۱                   | ≥ 1,4        | ≥ ⅓  | ≥ 'ე  | ≥5 16                | ≥′4          | ≥0            |
| NO CEILING<br>≥ 20000   | 57.0<br>65.1         | 57.0<br>65.1 | 57.0<br>65.1         | 57.0<br>65.1 | 57.0<br>65.1 | 57.0<br>65.1     | 57.0<br>65.1     | 57.0<br>65.1     | 57.0<br>65.1         | 57.0<br>65.1         | 57.0<br>65.1 | 57.d | 57.0  | 57.0                 | 57.0         | 57.0          |
| ≥ 18000<br>≥ 16000      | 65.7                 | 65.7<br>65.7 | 65.7                 | 65.7<br>65.7 | 65.7         | 65.7             | 65.7<br>65.7     | 65•7             | 65.7                 | 65.7<br>65.7         | 65.7<br>65.7 | 65.7 | 65.7  | 65.7                 | 65.7         | 65.7          |
| ≥ 14000<br>≥ 12000      | 66.3<br>71.0         | 66.3<br>71.0 | 66.3<br>71.0         | 66.3<br>71.0 | 66.3<br>71.0 | 66.3<br>71.0     | 66.3             | 66.3<br>71.0     | 66.3                 | 66.3                 | 66.3         | 66.3 | 66.3  | 66.3                 | 66.3<br>71.0 | 71+0          |
| ≥ 10000<br>≥ 9000       | 77.3<br>78.3         | 77.4         | 77.4<br>78.4         | 77.4<br>78.4 | 77.4<br>78.4 | 77.4             | 77.4             | 77.4<br>78.4     | 77.4                 | 77.4                 | 77.4<br>78.4 | 77.4 | 77.4  | 77.4                 | 77.4         | 77.4<br>-78.4 |
| ≥ 8000<br>≥ 7000        | 79.7<br>81.9         | 79,8<br>82.0 | 43.0                 | 82.0         | 79.8<br>82.0 | 79.8<br>82.0     | 79.8<br>82.0     | 79.8<br>82.0     | 79.8                 | 79.8<br>82.0         | 82.0         | 82.0 | 82.0  | 82.0                 | 82.0         | 82.0          |
| ≥ 6000<br>≥ 5000        | 84.4                 | 84.7         | 86.6                 |              | 84.7<br>86.6 | 84.7             | 84.7             | 84.7<br>86.6     | 84.7                 | 84.7                 | 84.7         | 84.7 | 84.   | 84.7                 | 84.7         | 84.7          |
| ≥ 4500<br>≥ 4000        | 87.7<br>88.7         | 89.1         | 87.9<br>89.1         | 87.9<br>89.1 | 89.1         | 87.9<br>89.1     | 87.9<br>89.1     | 87.9<br>89.1     | 87.9                 | 89.1                 | 87.9         | 89.1 | 89.1  | 89.1                 | 89.1         | 89-1          |
| ≥ 3500<br>≥ 3000        | 90-0                 | 90.4         | 90.4                 | 90.4         | 91.4         | 90.4<br>91.4     | 90.4             | 90 • 4<br>91 • 4 | 90.4                 | 90.4                 | 90.4         | 90.4 | 90.4  | 90.4                 | 91.4         | 90 4          |
| ≥ 2500<br>≥ 2000        | 92.8                 | 93.4         |                      | 94.9         | 93.4         | 93.4<br>95.0     | 93.4             |                  | 93.4                 | 93.4                 | 93.4         | 93.4 | 93.4  | 93.4                 |              |               |
| ≥ 1800<br>≥ 1500        | 94.0                 | 94.7         |                      | 96.3         | 96.4         | 95 • 1<br>96 • 4 | 95 • 1<br>96 • 4 | 95.1<br>96.4     | 95.1                 | 95.1<br>96.4         | 95.1         | 95.1 | 95.1  | 95.1                 | 95,1         | 95.1          |
| ≥ 1200<br>≥ 1000        | 96.0<br>96.7<br>96.3 | 97.6         | 97.9                 | 98.1         | 97.4<br>98.3 | 98.6             | 97.4             |                  | 97.4                 | 97.4                 | 97.4         | 98.6 | 97.4  | 97.4<br>98.6<br>98.7 | 97.4         | 98.6          |
| ≥ 900<br>≥ 800          | 97.1                 | 97.7<br>98.3 | 98.0<br>98.7<br>98.8 | 98.9         |              | 98.7             | 98.7<br>99.3     | 98.7             | 98.7<br>99.4<br>99.7 | 98.7<br>99.4<br>99.7 | 98.7         | 98.7 | 98.7  | 99.4                 | 98,7<br>99,4 | 98.7          |
| ≥ 700 ≥ 600             | 97.1                 | 98.3         | 98.8                 | 99.0         | 99.3         | 99.6             | 99.4             | 99.6             | 99.7                 | 99.7                 | 99.7         | 99.7 | 99.7  | 99.7                 | 99.7         | 99.7          |
| ≥ 500<br>≥ 400          | 97.1                 | 98.3         | 98.8                 | 1            | 99.4         | 99.7<br>99.7     | 99.7             | 99.7             | 99.8                 | 99.8                 | 99.9<br>99.9 | 99.9 | 99.9  | 99.9                 | 99.9         | 99.9          |
| ≥ 300<br>≥ 200<br>≥ 100 | 97.1                 | 98.3         | 98.8                 | 99.0         | 99.4         | 99.7             | 99.7             | 99.7             | 99.8                 | 22.0                 | 19.9         | 99.9 | 99.9  | 99.9                 | 99,9         |               |
| ≥ 100<br>≥ 0            | 97.1                 | 98.3         | 78.8                 |              |              | 99.7             | ,                | 1                | 99.8                 | 99.8                 | 99.5         | 9.9  | 1 2 2 |                      |              | 100-0         |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101.64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AF3 MT/GREAT FALLS

68-77

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING                    |                      |                      |              |                      |              |              | VIS          | IBILITY (STA | ATUTE MILI   | ES)  |                      |                  |                      |        |      |                      |
|----------------------------|----------------------|----------------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|------|----------------------|------------------|----------------------|--------|------|----------------------|
| FEET                       | ≥10                  | ≥6                   | ≥5           | ≥ 4                  | ≥3           | ≥2⅓          | ≥ 2          | ≥1½          | ≥14          | ≥1   | ≥ <sup>3</sup> .4    | ≥ ⅓.             | ≥ ⅓                  | ≥ 5/16 | ≥ '4 | ≥0                   |
| NO CEILING<br>≥ 20000      | 53.2<br>64.8         | 53.3                 | 53.3         |                      | 53.3<br>64.9 | 53.3<br>64.9 | 53.3<br>64.9 | 64.9         | 53.3<br>64.9 | 64.9 |                      | 53.3<br>64.9     |                      | 64.9   | 64.9 | 64.9                 |
| ≥ 18000<br>≥ 16000         | 65.2                 | 65.2                 | 65,2         | 65.2                 | 65.2         | 65.2<br>65.3 | 65.3         | 65.3         | 65.2<br>65.3 | 65.3 | 65.2<br>65.3         | 65.2             | 65.2<br>65.3         | 65.3   | 65,3 | 65.3                 |
| ≥ 14000<br>≥ 12000         | 72.2                 | 72.3                 | 72.3         |                      | 72.3         | 72.3         | 72.3         | 72.3         | 72.3         | 72.3 | 72.3                 | 72.3             | 72.3                 | 72.3   | 72.3 | 72.3                 |
| ≥ 10000<br>≥ 9000          | 77.1                 | 76,8                 | 76,8         |                      | 76.8         | 76.8<br>77.2 | 76.8         | 77.2         | 77.2         | 77.2 | 77.2                 | 77.2             | 77.2                 | 77.2   | 77,2 | 77.2                 |
| ≥ 8000<br>≥ 7000           | 79.2<br>80.7<br>84.3 | 80.9                 | 79.3<br>80.9 | 79.3<br>80.9         | 79.3<br>80.9 | 79.3<br>80.9 |              | 79.3<br>80.9 | 79.3<br>80.9 |      | 79.3<br>80.9<br>84.7 | 79 • 3<br>80 • 9 | 79.3<br>80.9<br>84.7 | 80.9   | 80.9 | 79.3<br>80.9<br>84.7 |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 88.3                 | 88.7                 | 88.7         | 88.7<br>90.1         | 88.7         | 88.7         | 88.7         | 88.7         | 88.7         | 88.7 | 88.7                 | 88.7             | 88.7                 | 88.7   | 88.7 | 88.7<br>90.1         |
| ≥ 4000<br>≥ 4000<br>≥ 3500 | 90.9                 | 91.3                 | 91.3         |                      | 91.3         | 91.3         | 91.3         | 91.3         | 91.3         | 91.3 | 91.3                 | 91.3             | 91.3                 | 91.3   | 91.3 | 91.3                 |
| ≥ 3000                     | 93.4                 | 94 • 1<br>96 • 0     | 94.1         | 94.2                 | 94.2         | 94.2         | 94.2         | 1            | 94.2         | 94.2 | 94.2                 | 94.2             | 94.2                 | 94.2   | 94.2 | 94.2                 |
| ≥ 2000<br>≥ 1800           | 96.1<br>96.4         |                      | 96.9         |                      | 97.4         | 97.4         | 97.4         | 97.4         | 97.4         | 97.4 | 97.4                 | 97.0             | 97.4                 | 97.4   | 97.4 | 97.4                 |
| ≥ 1500<br>≥ 1200           | 97.4                 | 98.3                 | 97,9         | 98,4                 | 98.4         | 98.4         | 98,4         | 98.4         | 98.4         | 98.4 | 98.4                 | 98.4             | 98.4                 | 98.4   | 98.4 | 98.4                 |
| ≥ 1000<br>≥ 900<br>≥ 800   | 97.4<br>97.9<br>98.0 | 98.3<br>98.8<br>98.9 | 98.8         | 98.4<br>98.9<br>99.0 | 98.4         | 98.4         | 98.9         |              | 98.4         | 1    | 98.4                 |                  |                      | 98.9   |      | 98.9                 |
| ≥ 700<br>≥ 600             | 98.0                 | 95.0                 | 99.0         | 99.2                 | 99.3         | 99.3         |              | 99.4         | 99.4         | 99.4 | 99.4                 | 99.4             | 99.0<br>99.4<br>99.6 | 99.4   | 99.4 | 99.4                 |
| ≥ 500<br>≥ 400             | 98.0                 | 99.0                 | 99.0         | 99.2                 | 99.4         | 99.4         | 99.4         | 99.8         | 99.8         | 99.8 | 99.8                 | 99.8             | 99.8                 | 99.8   | 99.8 | 95.8                 |
| ≥ 300<br>≥ 200             | 98.0                 | 99.0                 | 99.0         | 99.2                 | ,            | 99.6         | 99.6         | 99.9         | 99.9<br>99.9 | 99.9 | 99.9                 | 99.9             |                      | 1      | 1    | 99.9<br>100.0        |
| ≥ 100<br>≥ 0               | 98.0                 | 99.0<br>99.0         | 99.0         | 1                    |              | 99.6<br>99.6 |              | 99.9         |              |      | 99.9                 |                  | F                    | 1      |      | 100.0                |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSIGE

#### CEILING VERSUS VISIBILITY

24112

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MALMSTROM AFB MT/GREAT FALLS 68-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-1<u>800</u>;3000

| CEILING                   |              |                      |              |                      |                      |                      | VIS                  | BILITY (STA          | ATUTE MILI           | ESI          |                      |                      |                      |              |               |                    |
|---------------------------|--------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|--------------|---------------|--------------------|
| 1561                      | ≥10          | ≥6                   | ≥5           | ≥ 4                  | ≥3                   | ≥2%                  | ≥ 2                  | 214                  | ≥1%                  | ≥1           | ≥ 1,,                | ≥ 1/0                | ≥%                   | ≥ 5/16       | ≥ ′₄          | ≥0                 |
| NO CEILING<br>≥ 20000     | 56.1<br>62.1 | 61.0                 | 61.0<br>68.4 | 61.0<br>68.4         | 61.0                 | 61.0<br>68.4         | 61.0<br>68.4         | 61.0<br>68.4         | 61.0                 | 61.0         | 61.0<br>68.4         | 61.0                 | 61.0                 | 61.0         | 61.0          | 61.0<br>68.4       |
| ≥ 18000<br>≥ 16000        | 62.1         | 68.4                 |              |                      | 68.4<br>68.8         | 68 • 4<br>68 • 8     | 68.4<br>68.8         | 68.4                 | 68.4<br>68.8         | 68.8         | 68.4<br>68.8         | 68.4<br>68.8         | 68.4                 | 68.4<br>68.8 | 68.4          | 68 • 4<br>- 68 • 8 |
| ≥ 14000<br>≥ 12000        | 67.0         | 73.6                 | 73.6         |                      | 69.2<br>73.6         | 69.2<br>73.6         | 69.2<br>73.6         | 73.6                 | 73.6                 | 69.2<br>73.6 | 69.2<br>73.6         | 69.2<br>73.6         | 69.2                 | 73.6         | 69.2<br>-73.6 | 69•2<br>-73•6      |
| ≥ 10000                   | 70.7<br>72.1 | 78,4                 | 79.9         | 79.9                 | 79.9                 | 78.4<br>79.9         | 78.4<br>79.9         | 78.4<br>79.9         | 78.4                 | 78.4<br>79.9 | 78.4<br>79.9         | 78.4<br>79.9         | 78.4                 |              | 78.4<br>79.9  | 78 • 4<br>79 • 9   |
| ≥ 8000<br>≥ 7000          | 74.4         |                      | 83.8         | 83.8                 |                      | 82.6                 | 82.6                 | 83.8                 | 82.6<br>83.8         | 83.8         | 83.8                 | 82.6<br>83.8         | 83.8                 | 83.8         | 83.8          | 83.8               |
| ≥ 6000<br>≥ 5000          | 78.4<br>81.8 | 86.7<br>90.3         |              |                      | 86.7<br>90.3         | 86.7<br>90.3         | 86.7<br>90.3         | 86.7<br>90.3         | 86.7<br>90.3         | 86.7<br>90.3 | 90.3                 | 86.7<br>90.3         | 86.7<br>90.3         | 90.3         | 86.7<br>90.3  | 86.7<br>90.3       |
| ≥ 4500<br>≥ 4000          | 83.4         |                      | 92.9         | 92.9                 | 92.9                 | 92.9                 | 92.9                 | 92.9                 | 92.0<br>92.9         | 92.9         | 92.9                 | 92.9                 | 92.9                 | 92.9         | 92.9          | 92.9               |
| ≥ 3500 ≥ 3000             | 85.9         | 94.4                 | 94.4         | 94.4                 | 94.4                 | 93.9                 | 93.9                 | 93.9                 | 93.9                 | 93.9         | 93.9                 | 93.9                 | 94.4                 | 94.4         | 94.4          | 94.4               |
| ≥ 2500<br>≥ 2000          | 97.1<br>88.3 | 95.7<br>97.3         |              | 95.7                 | 97.3                 | 95.7                 | 95.7<br>97.3         | 95.7                 | 95.7                 | 95.7<br>97.3 | 95.7                 | 95.7<br>97.3         | 95.7                 | 95.7         | 95.7          | 95.7               |
| ≥ 1800<br>≥ 1500          | 89.1         | 98.3                 |              | 97.4<br>98.3<br>98.6 | 97.4<br>98.3<br>98.6 | 97.4<br>98.3<br>98.6 | 97.4                 | 97.4<br>98.3         | 97.4<br>98.3<br>98.6 | 97.4<br>98.3 | 97.4                 | 97.4<br>98.3         | 97.4<br>98.3<br>98.6 | 98.3         | 97,4<br>98.3  | 97.4<br>98.3       |
| ≥ 1200<br>≥ 1000<br>≥ 900 | 89.3         | 98.6<br>98.7<br>98.8 | 98.8         |                      | 98.9                 | 98.9                 | 98.6<br>98.9         | 98.6<br>98.9<br>99.0 | 98.9                 | 98.9         | 98.9                 | 98.6<br>98.9<br>99.0 | 98.9                 | 98.9         | 98.9          | 98.9               |
| ≥ 900<br>≥ 800<br>≥ 700   | 89.4         | 98.8                 | 99.0         | 99.1                 | 99.2                 | 99.0<br>99.2         | 99.0<br>99.2<br>99.2 | 99.0<br>99.2<br>99.2 | 99.0<br>99.2         | 99.2         | 99.0<br>99.2<br>99.2 | 99.2                 | 99.2                 | 99.2         | 99.2<br>99.2  | 99 • 0<br>99 • 2   |
| ≥ 600<br>≥ 500            | 89.4         | 98.8                 | 99.0         | 1                    | 99.2                 | 99.2                 | 99.2                 | 99.2                 | 99.2                 | 99.2         | 99.2                 | 99.2                 | 99.2                 | 99.2         | 99.2          | 99.2               |
| ≥ 400<br>≥ 300            | 89.4         | 1 ~ ~ 7              | 99,1         | 99.2                 | 99.4                 | 99.4                 | 99.4                 | 99.6                 | 99.6                 | 99.6         | 99.6                 | 99.6                 | 99.6                 | 99.6         | 99.6          | 99.6               |
| ≥ 200                     | 89.4         | 1                    | 99.1         | 99.2                 | 99.4                 | 99.4                 | 99.6                 | 99.8                 | 99.8                 | 99.8         | 99.8                 | 100-0                | 100.0                | 100.0        | 100.0         | 100.0              |
| ≥ 0                       | 89.4         | 1                    |              | 99.2                 | 99.4                 | 99.4                 | 99.6                 | 99.8                 | 99.8                 | 99.8         |                      |                      | 100.0                | I            |               | 100 · 0            |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

68-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING                    |              |              |                      |                      |              |                      | VIS          | IBILITY (ST. | ATUTE MIL    | ES)   |              |       |       |        | · · · · · · · · · · · · · · · · · · · |       |
|----------------------------|--------------|--------------|----------------------|----------------------|--------------|----------------------|--------------|--------------|--------------|-------|--------------|-------|-------|--------|---------------------------------------|-------|
| FEE:                       | ≥10          | ≥6           | ≥5                   | ≥4                   | ≥3           | ≥2%                  | ≥2           | ≥1%          | ≥1¼          | ≥1    | ≥ 1,4        | ≥'•   | ≥ 15  | ≥ 5/16 | ⋝,*                                   | ≥0    |
| NO CEILING<br>≥ 20000      | 52.6<br>56.8 | 71.6         | 71,6                 |                      | 64.4<br>71.6 |                      |              |              |              |       | 64.4<br>71.6 |       |       |        | 64.4                                  | -,-,  |
| ≥ 18000<br>≥ 16000         | 57.0<br>57.2 | 71.8         | - 7 7                | 71.8<br>72.0         | 71.8         |                      | 71.8         | 72.0         | 71.8         |       | 71.8<br>72.0 |       |       |        | -                                     |       |
| ≥ 14000<br>≥ 12000         | 57.6<br>60.1 | 76.0         |                      | 72.6<br>76.0         | 72.6<br>76.0 |                      | 72.6<br>76.0 |              | 72.6<br>76.0 | 76.0  | 76.0         |       | 76.0  | 76.0   |                                       | 1     |
| ≥ 10000<br>≥ 9000          | 65.2         | 81.2         |                      | 81.2                 | 81.2         |                      |              | 83.0         | 81.2         | 83.0  | 83.0         | 83.0  | 83.0  | 83.0   |                                       | 81.2  |
| ≥ 8000<br>≥ 7000           | 67.2         | 85.7         | 85.7                 | 85.7                 | 85.7         | 85.0<br>85.7         | 85.0<br>85.7 | 85.7         | 85.0<br>85.7 | 85.7  | 85.7         | 85.7  | 85.7  | 85.7   | 85.7                                  | 85.7  |
| ≥ 6000<br>≥ 5000           | 71.8         | 87.8<br>90.4 | 90.4                 | 87.8<br>90.4         | 87.8<br>90.4 | 90.4                 | 90.4         |              | 87.8<br>90.4 | 90.4  | 90.4         | 90.4  | 90.4  | 90.4   | 90.4                                  | 20.4  |
| ≥ 4500<br>≥ 4000           | 73.0         | 92.7         | 91.9<br>92.7<br>93.8 | 91.9<br>92.7<br>93.8 | 91.9         | 92.7                 | 92.7         | 92.7         |              | 92.7  | 92.7         |       | 92.7  | 92.7   | 92.7                                  | 92.7  |
| ≥ 3500<br>≥ 3000           | 75.1<br>75.8 | 94.1         | 94.1                 | 94.1                 | 93.8<br>94.1 | 94.1                 | 94.1         | 94.1         | 94.1         | 94.1  | 94.1         | 93.3  | 94.1  | 94.1   | 94.1                                  | 94.1  |
| ≥ 2500<br>≥ 2900<br>≥ 1800 | 77.2         | 96.8         | 96.8                 | 96.8                 | 96.8         | 95.1<br>96.8<br>97.1 |              | 96.8         |              | 96.8  | 96.8         | 96.8  | 96.8  | 96.8   | 96.8                                  | 96.8  |
| ≥ 1500                     | 77.7         | 97.6         | 97.6                 |                      | 97.6         |                      | 97.6         | 97.6         | 97.6         | 97.6  |              | 97.6  | 97.6  | 97.6   | 97.6                                  |       |
| ≥ 1000                     | 78.2         | 98.4         | 98.6                 | 98.6                 | . , , , ,    | 98.6                 | 98.8         | 98.8         | 98.8         | 98.8  |              | 98.B  | 98.8  |        |                                       | 98.8  |
| ≥ 800                      | 78.2         | 98.4         | 98.8                 | 98.8                 | 98.8         | 98.8                 | 99.0         | 99.0         | 99.0         | 99.0  | 99.0         | 99.0  | 99.0  | 99.0   | 99.0                                  | 99.0  |
| ≥ 500                      | 78.2         | 98.4         | 98.8                 |                      |              |                      |              | 99.0         |              | 99.0  | 99.0         | ¥9.0  | 99.0  | 99.0   | 99.0                                  | 99.0  |
| ≥ 400                      | 78.2         | 98.7         | 99.1                 | 99.1                 | 99.1         | 99.1                 | 99.3         | 99.3         | 99.3         | 99.3  | 99.3         | 99.3  | 99.3  | 99.3   | 99.3                                  | 99.3  |
| ≥ 100                      | 78.2<br>78.2 | 98.7<br>98.7 | 99.1                 | 99.2                 | 99.3         | 99.3                 | 99.7         | 100.0        | 00.0         | 100.0 | 00.0         | 100.0 | 100.0 | 100.0  | اڭ، ۋە                                | 100.0 |
| ≥ 0                        | 78.2         | 93.7         | 99,1                 | 99.2                 |              | 99.3                 | 99.7         | 00.0         | 00.0         | 100.0 | 00.0         | 00-0  | 00.0  | 100.0  | 00.0                                  | 00.0  |

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

---HOURS EST

| CEILING               | ····         |              | <del></del>  |              |              |              | VIS                  | BILITY (STA  | ATUTE MILI   | ES)              |       |                  |              |                  |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|------------------|-------|------------------|--------------|------------------|--------------|--------------|
| FEET                  | ≥10          | ≥6           | ≥5           | ≥4           | ≥3           | ≥2%          | ≥ 2                  | ≥11′2        | ≥}¼          | ≥1               | ≥ 1,4 | ≥ %              | ≥%           | ≥ 5/16           | ≥',          | ≥0           |
| NO CEILING<br>≥ 20000 | 55.5<br>62.2 | 60 g<br>68 5 | 60.9<br>68.5 | 60.9<br>68.5 | 60.9<br>68.5 | 68.5         | 60.9<br>68.5         | 60,9<br>68,5 | 60.9<br>68.5 | 60.9<br>68.5     | 60.9  | 60.9<br>68.5     | 60.9<br>68.5 | 60.9<br>68.5     | 60.9<br>68.5 | _68.5        |
| ≥ 18000<br>≥ 16000    | 62.5         | 68.7         | 68.7         | 68.8         | 68.9         | 68.8         | 68.8<br>68.9         | 68.8         | 68.8<br>68.9 | 68 • 8<br>68 • 9 | 68.8  | 68.8<br>68.9     | 68.8<br>68.9 | 68.8             | 68.8         | 68.9         |
| ≥ 14000<br>≥ 12000    | 67.3         | 69.7<br>74.0 | 69.7<br>74.0 |              | 69.8         | 69.8         | 69.8<br>74.0         | 69.8<br>74.1 | 69.8<br>74.1 | 69.8<br>74.1     | 69.8  | 74.1             | 69.8         | 69.8<br>74.1     | 69.8         | 69.8<br>74.1 |
| ≥ 10000<br>≥ 9000     | 71.9         | 79.3<br>80.5 |              | 79.3<br>80.5 | 79.3<br>80.5 | 79.3<br>80.5 | 79.3<br>80.5         | 79.3         | 79.3<br>80.6 | 79.3<br>80.6     | 80.6  | 79.3<br>80.6     | 79.3         | 79 • 3<br>80 • 6 | 79.3         | 80.0         |
| ≥ 8000<br>≥ 7000      | 75.0<br>76.3 | 82.8         | 82.8         | 84.2         | 82.8         | 82.8         | 84.2                 | 84.2         | 82.8         | 82.8             | 84.2  | 82 • 8<br>84 • 2 | 84.2         | 84.3             | 82.8         | 84.3         |
| ≥ 6000<br>≥ 5000      | 78.6<br>80.9 | 86.5<br>88.9 |              | 86.5         | 86.5<br>88.9 | 86.5<br>88.9 | 86.5<br>88.9         | 86.5<br>89.0 | 86.5         | 86.5             | 86.5  | 86.5<br>89.0     | 86.6         | 86.6             | 86,6         | 89.6         |
| ≥ 4500<br>≥ 4000      | 82.1<br>83.1 | 90.2<br>91.3 | 90.2         | 90.2         | 90.2         | 90.2<br>91.4 | 90.2<br>91.4         | 90.2         | 90.2<br>91.4 | 90.2             | 90.2  | 90.2             | 90.3         | 90-3<br>91-5     | 90.3         | 90.3         |
| ≥ 3500<br>≥ 3000      | 84.0<br>84.6 | 92.2         | 92,3         | 92.3         |              |              | 92 <b>.3</b><br>93.0 | 93.0         | 92.3         | 92.3             | 93.0  | 92.3             | 92.3         | 92.4             | 92.4         | 92.4         |
| ≥ 2500<br>≥ 2000      | 85.6         | 94.0         | 95,4         | 94.1         | 94.1<br>95.6 | 94.2         | 94.2                 | 94.2         | 94.2         | 94.2<br>95.6     | 94.2  | 94.2             | 94.2         | 94.2             | 94.2         | 94.2         |
| ≥ 1800<br>≥ 1500      | 86.8         | 95.6         | 96,4         | 95.8         | 96.6         |              | 95.9                 | 96.7         | 95.9         | 95.9             | 95.9  | 95.9             | 95.9         | 95.9             | 95.9         | 95.9         |
| ≥ 1200<br>≥ 1000      | 87.8         | 96.8         | 97.5         | 97.6         | 97.8         | 97.2         | 97.2                 | 97.2         | 97.3         | 97.3<br>98.0     | 78.0  | 97.3             | 97.3         | 97.3             | 97,3         | 97.3<br>98.0 |
| ≥ 900<br>≥ 800        | 88.4         | 97.6         | 97.6         | 97.9         |              | 98.2         | 98.3                 | 98.3         | 98-1<br>98-4 | 98.1<br>98.4     | 98.1  | 98.1             | 98.2<br>98.4 | 98.2             | 98.2         | 98.5         |
| ≥ 700<br>≥ 660        | 88.4         | 97.7         |              | 98.2         | 98.4         |              | 98.5                 | 98.6         | 98.7         | 98.7             | 98.8  | 98.8             | 98.8         |                  | 99.0         | 99.0         |
| . ≥ 500<br>≥ 400      | 88.4         | 97.8<br>97.9 | 98.3         | 98,4         | 98.7         | 98.8         | 99.0                 | 99.2         | 99.2         | 99.3             | 99.3  | 99.3             | 99.4         | 99.4             | 99.4         | 99.4         |
| ≥ 300<br>≥ 200        | 88.4         | 97.9         | 98.3         | 98.5         | 98.9         | 99.0         | 99.2                 | 99.5         | 99.6         | 99.7             |       |                  |              |                  | 100.0        | 100.0        |
| 2 100                 | 88.4         | 1 3 3 3 1    | ,            | 1 11 1       |              |              |                      | 99.5         | 99.6         | 99.8             | 99.8  | 1                |              |                  |              | 100.0        |

TOTAL NUMBER OF OBSERVATIONS

7200

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#### CEILING VERSUS VISIBILITY

24112

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UCT

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING                    |              |              |      |              |              |              | VIS                  | IBILITY (ST. | ATUTE MIL    | ES)                  |              |                      |                      |              |                      |              |
|----------------------------|--------------|--------------|------|--------------|--------------|--------------|----------------------|--------------|--------------|----------------------|--------------|----------------------|----------------------|--------------|----------------------|--------------|
| FEE1:                      | ≥10          | ≥6           | ≥5   | ≥4           | ≥3           | ≥2%          | ≥2                   | ≥1%          | ≥1¼          | ≥1                   | ≥ 3,4        | ≥ ′•                 | ≥%                   | ≥5′16        | 5.⁴                  | ≥0           |
| NO CEILING<br>≥ 20000      | 51.3<br>58.0 | 63.1         | 63.1 | 63.1<br>71.9 | 63.1         | 63.1<br>71.9 | 63.1<br>71.9         |              | 63.1<br>71.9 | 63.2<br>72.0         |              | 63.2<br>72.0         | 63.2                 | 63.2<br>72.0 | 63.2                 |              |
| ≥ 18000<br>≥ 16000         | 58.0<br>58.2 | 71.9         | 71.9 | 71.9<br>72.2 | 71.9<br>72.2 | 71.9<br>72.2 | 71.9<br>72.2         | 71.9<br>72.2 | 71.9         | 72.0<br>72.3         | 72.0         | 72.0<br>72.3         | 72.0                 | 72.0         | 72.0                 | 72.2         |
| ≥ 14000<br>≥ 12000         | 58.5<br>62.2 | 72.5         | 72,5 | 72.5<br>76.2 | 72.5         | 72.5<br>76.2 | 72.5<br>76.2         | 72.5<br>76.2 | 72.5<br>76.2 | 72.6<br>76.3         | 72.6<br>76.3 | 72.6<br>76.3         | 72.6<br>76.3         | 72.6<br>76.3 | 72,6                 | 72.7         |
| ≥ 10000<br>≥ 9000          | 66.2         | 81.4         | 81.2 | 81.2         | 81.2<br>81.5 | 81.2<br>81.5 | 81.2<br>81.5         | 81.2<br>81.5 | 81.2<br>81.5 | 81.3<br>81.6         | 81.3<br>81.6 | 81.3<br>81.6         | 81.3                 | 81.3<br>81.6 | 81.3<br>81.6         | 81.7         |
| ≥ 8000<br>≥ 7000           | 67.5         | 83.2         | 82.3 | 82.3         |              | 82.3         | 82.3<br>83.3         | 83.3         | 83.3         | 82.4<br>83.4         | 82.4<br>83.4 | 82.4<br>83.4         | 82.4<br>83.4         | 82.4<br>83.4 | 82.4<br>83.4         | 82.5<br>83.5 |
| ≥ 6000<br>≥ 5000           | 69.4         | 85.5         | 86.5 | 85.6         | 85.6         | 85.6<br>86.5 | 85.6<br>86.5         | 85.6<br>86.5 | 85.6<br>86.5 | 85.7<br>86.6         | 85.7         | 85.7<br>86.6         | 85.7<br>86.6         | 85.7<br>86.6 | 85,7                 | 85.8         |
| ≥ 4500<br>≥ 4000           | 70.5<br>71.0 | 88.2         | 87.5 | 87.5         | 87.5         | 87.5<br>88.3 | 87.5                 | 87.5<br>88.3 | 88.3         | 87.6<br>88.4         | 87.6<br>88.4 | 87.6<br>88.4         | 87.6<br>88.4         | 87.6<br>88.4 | 87.5<br>88.4         | 88.5         |
| ≥ 3500<br>≥ 3000           | 71.4         | 89.1<br>90.2 | 88.6 | 89.2         | 88.6         | 88.6         | 89.2                 | 88.6         | 88.6         | 88.7                 | 88.7         | 88.7<br>89.4         | 88.7                 | 88.7         | 88.7                 | 88.8         |
| ≥ 2500<br>≥ 2000           | 72.5         | 91.3         | 90.3 | 90.3<br>91.7 | 90.3<br>91.7 | 90.3         | 90.3                 | 90.3         | 90.3         | 90.4                 | 90.4         | 90.4                 | 90.4                 | 90.4<br>91.8 | 90.4                 | 90.5         |
| ≥ 1800<br>≥ 1500<br>≥ 1200 | 72.7         | 91.9         | 92.7 | 92.7         | 92.7         | 92.8         | 91.7<br>92.9<br>94.0 | 91.7<br>92.9 | 91.7<br>92.9 | 91.8<br>93.0<br>94.1 | 91.8         | 91.8<br>93.0         | 91.8                 | 91.8         | 91.8                 | 93.1         |
| ≥ 1000                     | 72.7         | 93.2         | 94.0 | 94.2         | 94.3         | 94.4         | 94.5                 | 94.5<br>94.7 | 94.5         | 94.6                 | 94.6         | 94.6                 | 94.6                 | 94.6         | 94.1<br>94.6<br>94.8 |              |
| ≥ 800                      | 72.9         | 93.4         | 94.3 | 94.5         | 94.6         | 94.7         | 94.8                 | 95.2<br>95.4 | 95.2<br>95.4 | 95.3                 | 95.3<br>95.5 | 94.8<br>95.3<br>95.5 | 94.8<br>95.3<br>95.5 | 95.3         | 94.8<br>95.3<br>95.5 | 94.9         |
| ≥ 600                      | 72.9         | 94.0         | 94.8 | 95.2         | 95.4         | 95.6         | 95.7                 | 96.1         | 96.1         | 96.2                 | 96.2<br>97.1 | 96.2<br>97.1         | 96.2<br>97.1         | 96.2<br>97.1 | 96.2<br>97.1         | 95.6<br>96.3 |
| ≥ 500<br>≥ 400<br>≥ 300    | 72.9         | 94.3         | 95.2 | 95.5         | 95.9         | 96.1         | 96.5                 | 97.1<br>98.0 | 97.2         | 97.7                 | 97.8         | 97.8                 | 97.8                 | 97.8         | 97.8                 | 97.2<br>98.0 |
| ≥ 200<br>≥ 100             | 72.9         | 94.5         | 95.6 | 95.9         | 96.9         | 97.1         | 97.5                 | 98.3         | 98.5         | 99.0                 | 99.1         | 99.2                 | 99.2                 | 99.2         | 99.2                 |              |
| 2 0                        | 72.9         | 94,5         | 95.7 | 1 1 1        | 97.0         |              | 98.1                 | 98.8         | _ : •        | 99.6                 | 99.7         | 99.8                 | 99.8                 | 99.8         | 99.8                 | 00.0         |

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE

### CEILING VERSUS VISIBILITY

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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| <u> </u>              |              |              |              |          |              |              |      |              |              |              |              |              |              |         |              |               |
|-----------------------|--------------|--------------|--------------|----------|--------------|--------------|------|--------------|--------------|--------------|--------------|--------------|--------------|---------|--------------|---------------|
| CEILING               |              | ,            |              |          |              |              | VIS  | IBILITY (ST. | ATUTE MIL    | E5)          |              |              |              |         |              |               |
| FEET                  | ≥10          | ≥6           | ≥5           | ≥4       | ≥3           | ≥2%          | ≥2   | ≥1⅓          | ≥1%          | ≥1           | ≥ 1,4        | ≥%           | ≥%           | ≥ 5/16  | ≥'4          | ≥0            |
| NO CEILING<br>≥ 20000 | 51.6<br>57.7 |              | ~            |          |              |              | 61.3 | 61.3         | 61.3         |              | 61.3         | 61.3         | 61.3         | 61.3    | 61.3         | 61.3          |
| ≥ 18000<br>≥ 16000    | 57.7<br>57.7 | ' - ; -      | 71.6         |          | 71.6         |              | 71.7 |              |              | 71.7         |              |              | 71.7         | 71.7    | 71.7         | 71.7          |
| ≥ 14000<br>≥ 12000    | 58.1<br>61.0 | 1 " " " 1    | ~ 7 1        |          | 71.9         |              |      | 72.0         | 72.0<br>75.1 | 72.0<br>75.1 |              | 72.0         | 72.0         | 72.0    | 72.0         | 72.0          |
| ≥ 10000<br>≥ 9000     | 64.6         | 78.9<br>79.4 |              |          | 78.9         | 78.9         | 79.0 | 79.0         |              |              | 79 · a       | 1            | 79.0         |         |              | 79.6          |
| ≥ 8000<br>≥ 7000      | 65.6         |              | - 4 4 1      | ~ ~ ~ ') | 80.4<br>81.2 | 80.4<br>81.2 |      |              |              | 80.5         | 80.5<br>81.3 | 80.5         | 80.5         | 80.6    |              | 80.8          |
| ≥ 6000<br>≥ 5000      | 68.3<br>69.7 |              |              |          | 83.5<br>85.1 | 83.5<br>85.1 |      | 83.7         |              |              |              | 83.7<br>85.2 | 83.7<br>85.2 |         | 83.9<br>85.4 | 83.9          |
| ≥ 4500<br>≥ 4000      | 70.2         |              | 7,-          |          | 86.3<br>88.3 | 86.3         |      |              |              |              |              | 86.5         | 86.5         | 86.6    |              | 86.7<br>-88.6 |
| ≥ 3500<br>≥ 3000      | 71.2<br>71.5 |              | 88.3<br>89.0 |          |              | 88.3<br>89.0 |      |              |              |              |              |              | 88.5<br>89.2 |         | 88.7<br>89.5 | 88 - 7        |
| ≥ 2500<br>≥ 2000      | 71.7<br>71.8 | 89.5         |              | 89.8     | 89.8         | 89.8         |      | 89.7<br>90.0 |              |              | 89.7         |              |              | T . T . | 89.9<br>90.2 | 89.9<br>90.2  |
| ≥ 1800<br>≥ 1500      | 71.9         | 90.8         | 91.0         |          | 91.2         | 91.2         |      |              | 90·2<br>91·4 |              |              |              | 90.2         | 90.3    |              | 90.4          |
| ≥ 1200<br>≥ 1000      | 73.0<br>73.0 | 92.3         | 92.2         |          | 92.6<br>93.5 | 92.7<br>93.8 | 94.0 | 94.0         |              | 94.0         | 94.0         | 94.0         |              |         | 93.1         | 93.1          |
| ≥ 900<br>≥ 800        | 73.2         | 92.8         |              | 93.7     | 94.2         | 94.3         | 94.6 | 94.6         | 94.6         | 94.6         | 94.5         | 94.6         |              |         | 94.7         | 94.8          |
| ≥ /00<br>≥ 600        | 73.3<br>73.5 | 93.7         | 94.0         | 94.9     | 95.7         |              | 96.2 | 96.6         | 96.6         | 96.6         | 95.6<br>96.6 | 96.6         | 96.6         |         | 96.8         | 95.8<br>96.8  |
| ≥ 500<br>≥ 400        | 73.5<br>73.5 | 93.9         | , , , ,      | 95.4     | 96.2         |              | 97.1 | 97.5         |              | 97.8         | 96.8<br>97.8 | 97.8         | 98.0         | 98.1    | 98.2         | 97.0<br>98.2  |
| ≥ 300<br>≥ 200        | 73.5         |              | 95.1<br>95.1 |          | 9: .7        |              | 97.8 | 98.4         | 98.7         | 98.7         | 98.6<br>98.7 | 98.7         | 98.8         | 98.8    | 99.1         | 99•0<br>99•4  |
| ≥ 100<br>≥ 0          | 73.5<br>73.5 |              | 95·1         | 95.6     | 96.7         | 97.2<br>97.2 | 97.8 | 98•4<br>98•4 | 98.7<br>98.7 | 98.8<br>98.8 | 98.8<br>98.8 |              |              |         | ,            | 99.9          |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

24112

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>0080,−0800</u>

| CEILING                    |                      | ·            |              |              |                      |                      | VIS                  | BILITY (STA          | ATUTE MILI           | ES)          |                      |                            |                      |                      |                      | ·                |
|----------------------------|----------------------|--------------|--------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------------|----------------------|----------------------|----------------------|------------------|
| FEET                       | ≥10                  | ≥6           | ≥5           | ≥ 4          | ≥3                   | ≥2⅓                  | ≥2                   | ≥1%                  | ≥1¼                  | ≥1           | ≥ ⅓4                 | ≥'•                        | ≥ 13                 | ≥5 16                | ≥,,                  | ≥0               |
| NO CEILING<br>≥ 20000      | 57.0<br>62.8         | 58.9<br>66.0 |              |              | 59.0<br>66.2         | 66.2                 | 59.0<br>66.2         | 59•0<br>66•2         | 59.0<br>66.2         | 59.0<br>66.3 | 59.0<br>66.3         | 59 • 0<br>66 • 3           | 59.1<br>66.5         | 59.1<br>66.5         | 59.1<br>66.5         | 59•2<br>66•6     |
| ≥ 18000<br>≥ 16000         | 62.8                 | 66.0         | 66.1         | 66.2         | 66.2                 | 66.3                 | 66.2                 | 66.2                 | 66.2                 | 66.3         | 66.3<br>66.5         | 66.3                       | 66.5                 | 66.6                 | 66.5                 | 66.6             |
| ≥ 14000<br>≥ 12000         | 63.5<br>67.7         | 71.3         | 71.3         | 67.0<br>71.4 | 71.5                 | 67.1<br>71.5         | 67.1<br>71.5         | 67.1<br>71.5         | 67.1<br>71.5         | 67.2<br>71.7 | 67.2<br>71.7         | 67.2<br>71.7               | 67.3<br>71.8         | 71.8                 | 67.3                 | 67.4<br>71.9     |
| ≥ 10000<br>≥ 9000          | 72.4                 | 76.8         | 76.1<br>76.8 |              | 76.3<br>77.0         | 76.3<br>77.0         | 76.3                 | 76.3                 | 76.3<br>77.0         |              | 76.6<br>77.2         | 76.6                       | 76.7                 | 76.7                 | 76.7<br>77.3         | 76.8             |
| ≥ 8000<br>≥ 7000           | 75•1<br>76•7         | 78.9<br>80.5 | 78.9<br>80.5 |              | 79.1<br>80.8         |                      | 79.1<br>80.8         | 79.1<br>80.8         | 79.1<br>80.8         | 79.4<br>81.0 | 79.4<br>81.0         | 79.4<br>81.0               | 79.5<br>81.1         | 79.5<br>81.1         | 79,5<br>81.1         | 79.6<br>81.2     |
| ≥ 6000<br>≥ 5000           | 77.8<br>79.0<br>80.0 | 81.7<br>83.0 | 83.2         | 81.9<br>83.3 | 82.0<br>83.4         | 82.0<br>83.4<br>85.1 | 82.0<br>83.4         | 82.0<br>83.4         | 82.0<br>83.4<br>85.1 | 83.7         | 82.3<br>83.7         | 82.3<br>83.7<br>85.3       | 82.4<br>83.8         | 82.4<br>83.8<br>85.4 | 82.4<br>83.8<br>85.4 | 83.9             |
| ≥ 4500<br>≥ 4000           | 80.9                 | 85.9         | 86.1         | 86.5         | 85.1<br>86.6<br>87.3 | 86.6                 | 85.1<br>86.6<br>87.3 | 85.1<br>86.6<br>87.3 | 86.6                 | 86.8         | 85.3<br>86.8<br>87.5 | 85 • 3<br>86 • 8<br>87 • 5 | 85.4<br>86.9<br>87.6 | 86.9                 | 86.9                 | 87.0             |
| ≥ 3500<br>≥ 3000<br>≥ 2500 | 82.2                 | 87.5         | 87.7         | 88.1         | 88.2                 | 88.2                 | 88.2                 | 88.2                 | 88.2                 | 88.4         |                      | 88.4                       | 88.5                 | 88.5                 |                      | 88.6<br>89.6     |
| ≥ 2000                     | 83.3                 | 89.1         | 89.4         | 89.7         | 89.8                 | 89.8                 | 89.8                 | 89.9                 | 89.9                 |              | 90.1                 | 90.1                       | 90.2                 | 90.2                 | 90.2                 | 90.3             |
| ≥ 1500                     | 84.0                 | 89.9<br>91.2 | 90.1         | 90.5         | 90.6                 | 90.6                 | 90.8                 | 90.9                 |                      | 1            | 91.1                 | 91.1                       | 91.2                 | 91.2                 | 91.2                 | 91.3             |
| ≥ 1000                     | 85.2<br>85.4         | 91.6         | 91.8         | 92.3         | 92.5                 | 92.6                 | 92.9                 | 93.2                 | 93.2                 | 93.5         | 93.5                 | 93.5                       | 93.7                 | 93.7                 | 93.7                 | 93.8             |
| ≥ 800                      | 85.5<br>85.8         | 92.3<br>93.0 | 92.5         | 92.9         | 93.1                 | 93.2                 | 93.5                 | 93.9                 | 93.9                 | 94.2         | 94.3                 | 94.3                       | 94.4                 | 94.4                 | 94.4                 | 94.5             |
| ≥ 600                      | 85.9                 |              | 93.7         |              | 94.4                 | 94.5                 | 94.8                 | 95.3                 | 95.3<br>95.9         | 95.8         | 95.9                 | 95.9                       | 96.0<br>96.8         |                      | 96.8                 |                  |
| ≥ 400<br>≥ 300             | 85.9                 | 93,3         | 94.1         | 94.5         | 94.8                 | 95.4<br>95.6         | 95.7                 | 96.5                 | 96.6                 | 98.0         | 97.7                 | 977                        | 98.4                 | 98.4                 | 98.1<br>98.4         | 98 • 2<br>98 • 6 |
| ≥ 200                      | 85.9                 | 93,3         | 94,1         | 94.5         | 95.1                 | 95.8<br>95.8         | 96.2                 | 97.1                 |                      | 98.3         | 98.5                 | 98.8                       | 99.6                 | 99.6                 |                      | 100.0            |
| ≥ 0                        | 85.9                 | 93,3         | 94.1         | 94.5         | 95.1                 | 95.8                 | 96.3                 | 97.3                 | 97.4                 | 98.5         | 98.7                 | 98.8                       | 99.6                 | 99.6                 | 99.7                 | 100•0            |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

### CEILING VERSUS VISIBILITY

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MALMSTRUM AFB MT/GREAT FALLS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>-0<u>80</u>9-3100</del>

| CEILING                    |                      |              |                      |                      |                      |                      | VIS                  | IBILITY (ST  | ATUTE MILI           | ES)                  |                      |                      |                      |                      |                      |                            |
|----------------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| FEET                       | ≥10                  | ≥6           | ≥5                   | ≥4                   | ≥3                   | ≥2⅓                  | ≥2                   | ≥1%          | ≥1¼                  | ≥1                   | ≥ 1,4                | ≥ %                  | ≥%                   | ≥ 5/16               | ≥'4                  | ≥0                         |
| NO CEILING<br>≥ 20000      | 54.4<br>63.7         | 54.4<br>63.8 | 54,4<br>63,8         | 54.4<br>63.8         | 54.4<br>63.8         | 54.4<br>63.9         | 54.4<br>63.9         | 54.4<br>63.9 | 54.4                 | 54.5<br>64.0         | 54.5<br>64.0         | 54.5                 | 54.5<br>64.0         | 54.5                 | 54.5                 |                            |
| ≥ 18000<br>≥ 16000         | 63.8                 | 64.3         | 64,3                 | 63.9                 | 63.9                 | 64.4                 | 64.0                 | 64.4         | 64.4                 | 64.1                 | 64.5                 | 64.5                 | 64.1                 | 64.1                 | 64.1                 | 64.5                       |
| ≥ 14000<br>≥ 12000         | 67.0<br>72.8         | 67.1<br>72.9 | 73.0                 | 67.1<br>73.0         | 67.1<br>73.1         | 73.2                 | 67.2<br>73.2         | 67.2<br>73.2 | 67.2<br>73.2         | 67.3<br>73.3         | 67.3<br>73.3         | 67.3<br>73.3         | 67.3<br>73.3         | 67.3<br>73.3         | 67.3<br>-73.3        | 67.3<br>73.3               |
| ≥ 10000<br>≥ 9000          | 78.2<br>79.2         | 78,3<br>79.4 | 78.4<br>79.5         | 78.4<br>79.5         |                      | 79.7                 |                      | 78.6<br>79.7 | 78.6<br>79.7         | 78.7<br>79.8         | 78.7<br>79.8         | 78.7<br>79.8         | 78.7<br>79.8         | 78.7                 | 78.7<br>79.8         | 78 • 7<br>79 • 8           |
| ≥ 8000<br>≥ 7000           | 81.4<br>82.8<br>84.0 | 81.5<br>82.9 | 81.6<br>83.0<br>84.2 | 81.6<br>83.0         | 81.7<br>83.1         | 81.8                 | 81.8                 | 83.2         | 81.8                 | 81.9<br>83.3         | 81.9                 | 81.9                 | 81.9<br>83.3         | 81.9                 | 81,9<br>83,3         |                            |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 84.6<br>85.3         | 84.7         | 84.8<br>85.6         | 84.8                 | 84.9<br>84.9<br>85.7 | 84.4<br>85.1<br>85.8 | 84.4<br>85.1<br>85.8 | 84.4<br>85.1 | 84.4<br>85.1<br>85.8 | 84.5<br>85.2<br>85.9 | 84.5<br>85.2         | 84.5<br>85.2         | 84.5<br>85.2         | 84.5<br>85.2         | 84.5<br>85.2         | 84.5<br>85.2               |
| ≥ 4000<br>≥ 3500           | 86.2                 | 86.7<br>87.5 | 86.9                 |                      | 87.0<br>87.8         | 87.1                 | 87.1<br>88.0         | 87.1         | 87.1<br>88.0         | 87.2<br>88.1         | 85.9<br>87.2<br>88.1 | 85.9<br>87.2<br>88.1 | 85.9<br>87.2<br>88.1 | 85.9<br>87.2<br>88.1 | 85.9<br>87.2<br>88.1 | 85 • 9<br>87 • 2<br>88 • 1 |
| ≥ 3000                     | 87.3                 | 88.0         | 88.2                 | 88.2                 | 88.5                 | 88.4<br>88.6         | 88.4<br>88.6         | 88.4         | 88.4                 | 88.5                 | 88.7                 | 88.5<br>88.7         | 88.5                 | 88.7                 | 88.7                 |                            |
| ≥ 2000                     | 88.6                 | 89.8         | 90.0                 | _ , • •              |                      | 90.3                 |                      | 90.3         |                      | 90.5                 | 90.4                 |                      | 90.4                 | 90.5                 | 90.4                 | 90.4                       |
| ≥ 1500                     | 90.0                 | 91.4         | 91.7                 | 91.7<br>92.8         | 91.9                 | 92.2                 |                      | 92.4         | 92.4                 | 92.5<br>93.8         | 92.5                 | 92.5                 | 92.5                 | 92.5                 | 92.5                 | 92.5                       |
| ≥ 1000                     | 90.3                 | 93,2         | 93.5<br>93.7         | 93.7                 | 93.8                 |                      | 94.0                 | 94.4         | 94.6                 | 94.7                 | 94.7<br>95.1         | 94.7<br>95.1         | 94.7                 | 94.7<br>95.1         | 94.7<br>95.1         | 94.7<br>95.1               |
| ≥ 800<br>≥ 700<br>≥ 600    | 90.6                 | 7 -          | 94.6                 | 94.6                 | 94.9                 | 94.7                 | 94.7                 |              |                      | 95.8<br>96.3         |                      | 95.8                 | 96.3                 | 95.8<br>96.3         | 95.8<br>96.3         |                            |
| ≥ 500<br>≥ 400             | 91.0<br>91.0<br>91.0 | 94.6         | 95.2                 | 94.8<br>95.2<br>95.4 | 95.2<br>95.5<br>95.8 | 95.5<br>95.8<br>96.1 | 95.5<br>95.8<br>96.3 | 96.6         |                      | 96.8<br>97.3<br>98.2 |                      | 96.9<br>97.4<br>98.3 | 96.9<br>97.4         | 96.9<br>97.4<br>98.4 | 97.4<br>98.4         | 96.9<br>97.4<br>98.4       |
| ≥ 300<br>≥ 200             | 91.0                 |              | 95.4                 | 95.4<br>95.4         | 96.1<br>96.1         | 96,6<br>96,6         | 96.9                 | 97.7         |                      |                      | 98 • 8<br>98 • 8     | 98.9                 |                      | 99.1                 | 99.2                 |                            |
| ≥ 100<br>≥ 0               | 91.0                 |              | 95.4                 | 95.4<br>95.4         | 96.1<br>96.1         | 96.6                 |                      | 97.7         | 98.3                 | 98.9                 | 98.9                 | 99.1                 |                      | 99.6                 | 99.9                 | 100.0                      |

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING               |              |              |              |              |              |              | VIS          | IBILITY (ST  | ATUTE MIL     | E\$)         |              |              |              |                  |              |                  |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|------------------|--------------|------------------|
| FEET.                 | ≥10          | ≥6           | ≥5           | ≥4           | ≥3           | ≥2½          | ≥2           | ≥1%          | ≥11տ          | ≥1           | ≥ 1,         | ≥ >,         | ≥ 'כ         | ≥5′16            | ≥ '4         | ≥0               |
| NO CEILING<br>≥ 20000 | 51.4<br>63.4 | 51.5<br>63.5 |              | 51.5<br>63.5 | 51.5<br>63.5 | 51.5<br>63.5 |              |              |               |              |              |              |              |                  |              |                  |
| ≥ 18000<br>≥ 16000    | 64.2         | 63.9<br>64.3 | 63.9         | 63.9         | 63.9         | 63.9         | 63.9         | 63.9<br>64.3 | 63.9          |              | 63.9         | 63.9         | 63.9         | 63.9             |              |                  |
| ≥ 14000<br>≥ 12000    | 67.2<br>70.6 | 70.8         | 67.3<br>70.8 | 67.3<br>70.8 | 67.3<br>70.8 | 67.3<br>70.8 | 67.3<br>70.8 | 67.3<br>70.8 | 67.3<br>70.8  | 67.3<br>70.8 | - , ,        | 67.3<br>70.8 | 67.3<br>70.8 | 67.3<br>70.8     |              |                  |
| ≥ 10000<br>≥ 9000     | 75.9<br>77.2 | 76.0<br>77.3 | 76.0<br>77.3 | 76.0<br>77.3 | 76.0<br>77.4 | 76.0<br>77.4 |              | 76.0<br>77.4 |               | 76.0<br>77.4 |              | 76.0<br>77.4 | 76.0<br>77.4 | 76.0<br>77.4     | 76.0<br>77.4 | 76.0<br>77.4     |
| ≥ 8000<br>≥ 7000      | 79.9<br>80.8 |              | 80.0<br>80.9 | 80.0<br>80.9 | 80.1         |              |              |              |               | 80.1<br>81.0 | 80.1<br>81.0 | 80.1<br>81.0 | 80.1<br>81.0 | 80 · 1<br>81 · 0 | 80.1         | 80 • 1<br>81 • 0 |
| ≥ 6000<br>≥ 5000      | 82.2<br>83.8 | 82.3<br>83.9 | 82.3<br>83.9 | 82.3<br>83.9 | 82.4<br>84.1 | 82.4<br>84.1 | 84.1         | 82.4<br>84.1 | 82.4<br>84.1  | 82.4<br>84.1 | 82.4<br>84.1 | 82.4<br>84.1 | 82.4<br>84.1 | 82.4<br>84.1     | 82.4<br>84.1 | 82.4             |
| ≥ 4500<br>≥ 4000      | 84.7         | 84.8<br>87.5 | 84.8<br>87.5 |              | 85.1<br>87.7 | 85.1<br>87.7 | 87.7         |              | 85.1<br>87.7  | 85.1<br>87.7 | 85.1<br>67.7 | 85.1<br>87.7 | 85.1<br>87.7 | 85.1<br>87.7     | 85.1         | 85 • 1<br>87 • 7 |
| ≥ 3500<br>≥ 3000      | 87.8<br>88.7 | 88.2<br>89.2 | 88.2<br>89.2 | 89.4         |              |              | 89.6         |              |               |              |              |              | 88.4<br>89.6 | 88.4<br>89.6     | 88.4         | 88 • 4<br>89 • 6 |
| ≥ 2500<br>≥ 2000      | 89.8<br>90.8 | 90.3<br>91.6 | 91.6         | 91.7         | 92.0         | 92.0         | 92.0         | 90.9         | 92.2          | 92.2         | 90.9<br>92.2 |              | 90.9<br>92.2 | 90.9<br>92.2     |              |                  |
| ≥ 1800<br>≥ 1500      | 91.0<br>92.2 | 93.8         |              | 94.1         | 94.4         |              | 92•4<br>94•4 | 92.5         | 94.5          | 92.5<br>94.5 | 92.5<br>94.5 | 92.5<br>94.5 | 92.5<br>94.5 | 92.5             | 92.5<br>94.5 |                  |
| ≥ 1200<br>≥ 1000      | 92.4<br>92.7 | 94.0<br>94.4 | 94.7         | 94.9         | 95.1<br>95.7 | 95.2<br>95.8 | 95.8         | 95.3<br>96.0 |               |              | 95.4<br>96.1 | 95.4<br>96.1 | 95.4<br>96.1 | 95.4<br>96.1     | 95.4         | 95.4<br>96.1     |
| ≥ 900<br>≥ 800        | 92.8         | 94.7         | 95.2         | 95.4         | 96.0         | 96.1<br>96.3 | 96.3         | 96.3<br>96.6 | 96.7          | 96.5         | 96.5<br>96.7 | 96.5<br>96.7 | 96.5<br>96.7 | 96.5             | 96.7         | 96.5<br>96.7     |
| ≥ /00<br>≥ 600        | 92.9         | 95.2<br>95.2 | 95.7<br>95.7 | 95.9<br>96.0 | 96.8<br>97.0 | 97.2         | 97.4         | 97.6         | .97.5<br>97.8 | 97.6<br>98.0 | 97.6<br>98.1 | 97.7         | 97.7<br>98.2 | 97.7<br>98.2     | 97.7<br>98.2 | 98.2             |
| ≥ 500<br>≥ 400        | 92.9         | 95.4         | 95,9         | 96.5         | 97.6         | 98.0         | 98.3         | 98.3<br>98.5 | 98.5<br>98.7  | 98.6         | 98.7<br>98.9 | 98.8         | 98.8         | 99.0             |              |                  |
| ≥ 300<br>≥ 200        | 92.9         | 95.5<br>95.5 | 96.0         | 96.6         | 97.7         | 98.3         | 98.9         | 98.9         | 29.5          | 99.4         | 99.5         |              | 99.6         | 99.6             | 99.6         | 99.6             |
| ≥ 100<br>≥ 0          | 92.9         | 95.5         | 96.0         | 96.6         | 97.8         | 98.3         | 98.9<br>98.9 | 99.1         | 99.5          | 99.7         | 99.8         | 99.9         |              |                  | 100.0        |                  |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC | De 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 1500-1700</u>

| CEILING                 |                      |              |      |              |                      |              | VIS          | BILITY (STA  | ATUTE MIL    | ES)          |       |                         |         |        |       |       |
|-------------------------|----------------------|--------------|------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|-------|-------------------------|---------|--------|-------|-------|
| \$EE1                   | ≥10                  | ≥6           | ≥5   | ≥4           | ≥3                   | ≥2%          | ≥2           | ≥1%          | ≥1%          | ≥1           | ≥ 1,4 | ≥ %                     | ≥ '5    | ≥ 5/16 | ≥'•   | ≥0    |
| NO CEILING<br>≥ 20000   | 49.6                 | 49.6         | 49.6 | 49.6         | 49.7<br>61.4         | 49.7         | 49.7         | 49.7<br>61.4 | 49.7<br>61.4 | 49.7<br>61.4 | 49.7  | 49.7                    | 49.7    | 49.7   | 49.7  | 49.7  |
| ≥ 18000<br>≥ 16000      | 62.0<br>62.5         | 62.5         | 62.5 | 62.5         | 62.2<br>62.6         | 62.2<br>62.6 | 62.6         |              | 62.2         |              | 62.2  | 62.2                    | 62.2    | 62.6   | 62.6  | 62.2  |
| ≥ 14000<br>≥ 12000      | 64.3<br>68.5         | 64.3         | 64.3 | 64.3         | 64.4                 | 64.4         | 68.8         |              | 64.4         |              | 68.8  | 64 • 4<br><u>68 • 8</u> | 68.8    | 64.4   | 64,4  | 68.8  |
| ≥ 10000<br>≥ 9000       | 74.2<br>75.1         | 74.4<br>75.3 | 74.4 | 74.4<br>75.3 | 74.5<br>75.4         | 74.5         | 74.5<br>75.4 | 75.4         | 74.5         | 74.5         | 74.5  | 75.4                    | 74.5    | 75.4   | 74.5  | 74.5  |
| ≥ 8000<br>≥ 7000        | 78.6<br>80.1         | 78.8<br>80.3 | 80.3 | 80.3         | 80.4                 |              | 80.4         | 80.4         | 80.4         | 78.9<br>80.4 | 80.4  | 80.4                    | 80.4    | 80.4   | 78.9  | 80.4  |
| ≥ 6000<br>≥ 5000        | 83.2<br>85.1         | 83.4<br>85.4 | 85.4 | 85.4         | 85.5                 |              | 85.5         | 85.5         | 85.5         | 85.5         | 85.5  | 85.5                    | 83.5    | 85.5   | 83.5  | 85.5  |
| ≥ 4500 ·<br>≥ 4000      | 85.8<br>88.2         |              | 89.0 | 89.0         | 89.1                 | 89.1         | 89.1         | 89.1         | 86.6<br>89.1 | 89.1         | 89.1  | 89.1                    | 89.1    | 89.1   | 89.1  | 89.1  |
| ≥ 3500<br>≥ 3000        | 89.0<br>90.3         | 90.2         | 91.8 | 91.9         | 92.0                 | 92.0         | 92.0         | 92.0         | 92.0         | 92.0         | 92.0  | 92.0                    | 92.0    | 92.0   |       | 92.0  |
| ≥ 2500<br>≥ 2000        | 91.2                 | 93.5         | 93.5 | 93.7         | 93.8                 | 93.8         | 93.8         | 93.8         | 93.0         | 93.6         | 93.8  | 93.8                    | 93.6    | 93.8   | 93.6  | 93.8  |
| ≥ 1800<br>≥ 1500        | 91.9                 | 94.9         | 95.2 | 95.3         | 95.4                 |              | 94.2         | 95.5         | 94.2         | 94.2         | 95.5  |                         | 95.5    | 95.5   | 94.2  | 95.5  |
| ≥ 1200                  | 92.7<br>92.9<br>92.9 | 95.4<br>95.8 | 96.0 | 96.1         | 96.6                 | 96.6         | 96.7         | 96.7         | 96.7         | 96.8         | 96.8  | 96.9                    | 97.0    | 97.0   | 97.0  | 97.0  |
| ≥ 900<br>≥ 800<br>≥ 700 | 92.9                 | 95.8         | 96.0 | 36.1         | 96.6<br>96.6<br>97.0 | 96.6         |              | 96.7<br>96.7 | 96•7<br>96•7 | 96.8         | 96.8  | 96.9                    | 1 7 7 7 | 97.0   | 97.0  | 97.0  |
| ≥ 600                   | 92.9                 |              | 96.6 | 1 1 7 7 7    | 97.2                 | 97.3         | 97.5         | 97.6         | 97.7         | 98.1         | 98.1  | 98.2                    | 98.3    | 98.3   | 98.3  | 98.3  |
| ≥ 500<br>≥ 400<br>≥ 300 | 93.1                 | 96.8         | 97.1 | 97.4         | 98.1                 | 98.2<br>98.3 | 98.4         | 98.6         | 98.7         | 99.1         | 99.1  | 99.4                    | 99.7    | 99     | 99.8  | 99.5  |
| ≥ 200                   | 93.1                 | 96.8         | 97.2 | 97.5         | 98.2                 | 98.3         | 98.5         | 98.7         | 99.1         | 99.6         | 99.6  | 99.8                    | 99.9    | 100.0  | 100.0 | 100-0 |
| ≥ 0                     | 93.1                 | 96.8         |      | 97.5         | 98.2                 | 98.3         | 98.5         | 98.7         | 99.1         | 99,6         | 1     | - احسا                  |         |        |       | 100-0 |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC TOTAL 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

24112

MALHSTROM AFB MT/GREAT FALLS

68-77

UCT

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING                 |                      | <del></del> <del>=</del> _ |              |              |                      |              | VISI                 | BILITY (STA  | TUTE MILE            | :S1                  |                      |                      |              |              | *                    |                      |
|-------------------------|----------------------|----------------------------|--------------|--------------|----------------------|--------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|----------------------|----------------------|
| FEET                    | ≥10                  | ≥6                         | ≥5           | ≥ 4          | ≥3                   | ≥2½          | ≥ 2                  | ≥1%          | ≥11⁄a                | ≥1                   | ≥ 1,                 | ≥,•                  | دا ≤         | ≥5 16        | ≥ '4                 | ≥0                   |
| NO CEILING<br>≥ 20000   | 48.0<br>-55.1        | 54.5<br>63.5               | 54.5<br>63.5 | 54.5<br>63.5 | 54.5                 | 54.5         | 54,5<br>63,5         | 54.5<br>63.5 | 54.5                 | 54.5<br>63.5         | 54.5                 |                      | 54.5<br>63.5 | 54.5<br>63.5 | 54.5<br>63.5         | 54.5                 |
| ≥ 18000<br>≥ 16000      | 55.7                 | 64.0<br>64.2               | 64.0<br>64.2 | 64.2         | 64.2                 | 64.0<br>64.2 | 64.2                 | 64.0         | 64.2                 | 64.0                 | 64.2                 | 64.2                 | 64.2         | 64.0         | 64.0                 | 64.0                 |
| ≥ 14000<br>≥ 12000      | 5/.0                 | 65.5<br>70.1               | 70.1         | 70.1         | 70.1                 | 70.1         | 70.1                 | 65.5<br>70.1 | 70.1                 | 70.1                 | 70.1                 | 65.5<br>70.1         | 70.1         | 70-1         | 70.1                 | 70.1                 |
| ≥ 10000<br>≥ 9000       | 67.3<br>68.0         | 77.6<br>78.3               | 77.6<br>78.3 | 77.6<br>78.3 | 77.6                 | 77.6<br>78.3 | 77.6                 | 77.6         | 77.6<br>78.3         | 77.6<br>78.3         | 77.6<br>78.3         | 77.6<br>78.3         | 77.6<br>78.3 | 77.6         | 77.6                 | 77.6<br>78.3         |
| ≥ 8000<br>≥ 7000        | 70.1<br>71.8         | 83.0                       | 83.0         | 83.0         | 83.0                 | 83.0         | 83.0                 | 80.5<br>83.0 | 80.5                 | 83.0                 | 80.5                 | 0000                 |              | 80.5         | 83.0                 | 80.5                 |
| ≥ 6000<br>≥ 5000        | 73.3<br>74.3         | 87.0                       | 87.0         | 87.0         | 84.8                 | 84.8         | 84.8                 | 84.8         | 84.8                 |                      | 84.8                 |                      | 87.0         |              |                      | 84.8<br>87.0         |
| ≥ 4500<br>≥ 4000        | 75.1<br>75.5         | 88.7                       | 88.7         | 88.7         | 88.7                 | 88.7         | 88.1                 | 88.7         | 88.1                 | 88.7                 | 88.7                 | 88.7                 | 88.7         | 88.7<br>90.0 | 88.7                 | 88.7                 |
| ≥ 3500<br>≥ 3000        | 75.9<br>76.6<br>77.1 | 90.6                       | 90.8         | 90.8         | 90.0<br>90.8<br>91.7 | 90.8         | 90.0                 | 90.8         | 90.0<br>90.8<br>91.7 | 90.0<br>90.8<br>91.7 | 90±0<br>90±8<br>91•7 | 90.8                 |              | 90.8         | 90.0<br>90.8<br>91.7 | 90.8                 |
| ≥ 2500<br>≥ 2000        | 78.4<br>78.5         | 93.7                       | 93.8         | 93.9         | 93.9                 | 93.9         | 91.7<br>93.9<br>94.0 | 91.7<br>93.9 | 93.9                 | 93.9                 | 93.9                 | 91.7<br>93.9<br>94.0 | 93.9         | 93.9         | 93.9                 | 91.7<br>93.9<br>94.0 |
| ≥ 1800<br>≥ 1500        | 78.7                 | 94.5                       | 94.6         | 94.7         | 94.7                 | 94.7         | 94.7                 | 94.7         | 94.7                 | 94.7                 | 94.7                 | 94.7                 | 94.7         | 94.7         | 94.7                 | 94.7<br>95.2         |
| ≥ 1200                  | 78.9                 | 95.7<br>95.7               | 95.8         | 95.9         | 95.9                 | 95.9         | 95.9                 | 95.9         | 95.9                 | 95.9                 |                      | 96.0                 | 96.0         | 96.0         | 96.5                 | 96.0<br>96.5         |
| ≥ 900<br>≥ 800<br>≥ 706 | 78.9                 | 95.7                       | 95.9         | 96.1         | 96.3                 | 96.5         | 96.5                 | 96.5         | 96.5                 | 96.5                 | 96.6                 | 96.6                 | 96.6         | 96.6         | 96.6                 | 96.6                 |
| ≥ 706<br>≥ 600<br>≥ 500 | 79.1                 | 96.7                       | 96.9         | 97.1         | 97.3                 | 97.4         | 97.4                 | 97.5         | 97.5                 | 97.5                 | 97.6                 | 97.6                 | 4            | 97.6         | 97.6                 | 97.6                 |
| ≥ 400<br>≥ 300          | 79.1                 | 96.9                       | 97.1         | 97.5         | 98.0                 | 98.1         | 98.2                 | 98.4         | 98.4                 | 98.6                 | 98.9                 | 98.9                 | 98.9         | 98.9         | 98.9                 | 98.9                 |
| ≥ 200                   | 79.1                 | 96.9                       | 97.1         | 97.6         | 98.4                 | 98.5         | 98.9                 | 99.2         | 99.2                 | 99.5                 | 99.9                 | 99.9                 | 99.9         | حججح         | 100.0                |                      |
| 2 0                     | 79.1                 | 96.9                       | 97.1         | 97.6         | 98.4                 | 98.5         |                      | 7 3 7 7      |                      |                      |                      | 99.9                 |              |              | 100.0                |                      |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 64 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

#### CEILING VERSUS VISIBILITY

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MALMSTRUM AFB MT/GREAT FALLS 68-77

WCT.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_<del>2100=2300</del>

| CEILING               |              |              |              |              |                  |              | VIS          | BILITY (ST   | ATUTE MIL        | ESI          |                  |                  |              |                  |              |                   |
|-----------------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|------------------|--------------|------------------|------------------|--------------|------------------|--------------|-------------------|
| FEET.                 | ≥10          | ≥6           | ≥5           | ≥ 4          | ≥3               | ≥2⅓          | ≥2           | 21%          | ≥1¼              | ≩I           | ≥ 14             | ≥,•              | ≥ 15         | ≥ 5/16           | ≥'₄          | ≥0                |
| NO CEILING<br>≥ 20000 | 48.6<br>55.7 | 58.5<br>68.4 | 58.5<br>68.4 | 58.5<br>68.4 | 58.6<br>68.5     | 58.6<br>68.5 | 58.6<br>68.5 | 68.5         | 58.6<br>68.5     | 68.6         | 58.7<br>68.6     | 58.7<br>68.6     | 58.7<br>68.6 | 58 • 7<br>68 • 6 | 58.7<br>68.6 | 58 • 7<br>_68 • 6 |
| ≥ 18000<br>≥ 16000    | 55.9<br>55.9 | 68.6<br>68.6 |              | 68.6         | 68.7<br>68.7     | 68.7         | 68.7<br>68.7 | 68.7         | 68.7<br>68.7     | 68.8<br>68.8 | 68.8             | 68.8<br>68.8     | 68.8         | 68.8             | 68.8<br>68.8 | 68.8              |
| ≥ 14000<br>≥ 12000    | 56.5<br>59.9 | 69.1<br>72.9 | 69.1<br>72.9 |              | 69.2<br>73.0     | 69.2<br>73.0 | 69.2<br>73.0 |              | 69.2<br>73.0     | 73.1         | 69.4<br>73.1     | 69,4<br>73.1     | 73.1         | 73.1             | 69.4<br>73.1 | 69 • 4<br>73 • 1  |
| ≥ 10000<br>≥ 9000     | 64.6<br>65.4 | 79.0         | 79.0         | 79.8         | 79.1<br>79.9     | 79.1<br>79.9 | 79.1<br>79.9 |              | 79.1<br>79.9     | 79.2<br>80.0 | 1                | 79.2             |              | 80-0             | 80.0         | -80÷0             |
| ≥ 8000<br>≥ 7000      | 66.9         | 81.3<br>82.6 | 81.3<br>82.6 | 81.3<br>82.6 |                  | 81.4<br>82.7 | 81.4<br>82.7 | 81.4<br>82.7 | 81.4<br>82.7     | 81.5         | 81.5<br>82.8     | 81.5             | 81.5         | 81.5             | 81.5         | 81.5              |
| ≥ 6000<br>≥ 5000      | 69.2<br>69.6 | 84.8         | 84.8         |              | 84.9<br>86.0     | 84.9<br>86.0 | 84.9<br>86.0 | 85.0         | 84.9<br>86.0     | 85.1<br>86.1 | 85 • 1<br>86 • 1 | 85 • 1<br>86 • 1 | 85.1         | 85.1             | 85.1<br>86.1 | 85 • 1<br>86 • 1  |
| ≥ 4500<br>≥ 4000      | 70.1<br>71.0 | 86,9<br>88.0 | 86.9<br>88.0 | 86.9<br>88.0 | 87.0<br>88.1     | 87.0<br>88.1 | 87.0<br>88.1 | 87.0<br>88.1 | 87.0<br>88.1     | 87.1<br>88.2 | 87.1<br>88.2     | 87.1<br>88.2     | 87.1         | 87.1<br>88.2     | 87.1         | 87,1<br>88.2      |
| ≥ 3500<br>≥ 3000      | 71.2<br>71.9 | 89.6         | 88.6         | 88.6<br>89.6 | 88.7<br>89.7     | 88.7<br>89.7 | 88.7<br>89.7 | 88.7<br>89.7 | 88.7<br>89.7     | 88.8         | 88.8             | 88 - 8           | 88.8         | 88.8             | 88.8         | 89.8              |
| ≥ 2500<br>≥ 2000      | 72.0<br>72.4 | 89.9<br>91.1 | 89.9<br>91.1 | 89.9<br>91.2 | 90.0<br>91.5     | 90.0<br>91.6 | 90.1         | 90•1<br>91•7 | 90 • 1<br>91 • 7 | 90.2         | 90.2<br>91.8     | 90.2             | 90.2         | 90 • 2<br>91 • 4 | 91.8         | 91.8              |
| ≥ 1800<br>≥ 1500      | 72.6<br>72.6 | 91.3<br>91.6 | 91.3<br>91.6 | 91.4<br>91.7 | 91.7<br>92.2     | 91.8<br>92.3 | 91.9         | 91.9<br>92.5 | 91.9             | 92.7         | 92.0<br>92.7     | 92.7             | 92.0         | 92.7             | 92.0<br>92.7 | 92.7              |
| ≥ 1200<br>≥ 1000      | 72.8<br>72.8 | 92.5<br>92.9 | 92.5         |              | 93.0<br>93.8     | 93.1<br>93.9 | 93.2<br>94.1 | 93.3         | 93.4<br>94.3     | 93.5         | 93.5             | 93.5             | 93.5         | 93.4             | 93.5         | 93.5              |
| ≥ 900<br>≥ 800        | 72.8<br>72.8 | 93.0<br>93.2 | 93.1         | 93.2<br>93.4 | 93.9<br>94.1     | 94.0<br>94.2 | 94.2         | 94.3         | 94.4             | 94.5         | 94.5             | 94.5             | 94.          | 94.5             | 94.5         | 94.7              |
| ≥ /00<br>≥ 600        | 72.8         | 93,8<br>94.1 | 93.9         | 94.4         | 94.7             | 94.8<br>95.3 | 95.5         | 95.4         | 95.5             | 95.6         | 95.6             | 95.6             | 95.6         | 95.6             | 95.6         | 96.2              |
| ≥ 500<br>≥ 400        | 72.8         | 94,3         | 94.4         | 94.6         | 95.4<br>95.4     | 95.5         | 95.9         |              | 96.7             | 97.2         | 97.6             | 97.3<br>97.6     | 97.6         | 97.6             | 97.6         | 97.6              |
| ≥ 300<br>≥ 200        | 72.8         | 94.7         | 94,8         | 95.1<br>95.1 | 96.1<br>96.1     | 96.2<br>96.2 | 96.8         | 97.5         | 97.8<br>98.1     | 98.6         | 98.7             | 98.8             | 99.0         | 99.4             | 99,1         | 99.1              |
| ≥ 100<br>≥ 0          | 72.8         |              | 94.8         | 95.1<br>95.1 | 96 • 1<br>96 • 1 | 96,2<br>96,2 | 96.8         | 97.7         | 98.2             | 99.0         |                  | 99.2             | 99.          | 99.6             | 99.6         | 100-0             |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC NIL 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OR

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS

68-77

OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING                    |              |                  | <del></del>          |              |                  |      | ٧IS  | BILITY (ST.  | ATUTE MIL | ES:          |      |              |      |              |      |              |
|----------------------------|--------------|------------------|----------------------|--------------|------------------|------|------|--------------|-----------|--------------|------|--------------|------|--------------|------|--------------|
| FEET                       | ≥10          | ≥6               | ≥5                   | ≥4           | ≥3               | ≥2⅓  | ≥2   | ≥1%          | ≥14       | ≥1           | ٤.   | ≥,•          | ≥ יז | ≥5 16        | ≥ ,• | ≥0           |
| NO CEILING<br>≥ 20000      | 51.5<br>59.7 |                  |                      |              |                  |      |      |              |           | 56,6<br>66.4 |      |              |      | 56.6<br>66.4 |      | 56.6<br>66.4 |
| ≥ 1800C<br>≥ 16000         | 59.9<br>60.2 | 66.7             | 66.7                 | 66.5         | 66 • 5<br>66 • 8 | 66.8 | 66.8 | 66.6<br>66.8 | 66.8      | 66.9         | 66.9 |              | 66.9 |              |      | 66.7         |
| ≥ 14000<br>≥ 12000         | 65.5         | 72.2             | 68.1<br>72.2         | 68.1<br>72.3 | 72.3             |      |      | 72.3         | 72.3      | 72.4         | 72.4 | 72.4         |      | 72.4         | 72.4 | 72.4         |
| ≥ 10000                    | 70.4         | 78 • 4<br>80 • 5 | 77.7<br>78.5         | 78.5         | 78.5             |      |      |              |           | 78.6         | 78.6 | 78.5         | 78.7 | 78,7         | 78.7 |              |
| ≥ 8000<br>≥ 7000           | 74.2         | 81.8<br>83.8     | 80.5<br>81.9<br>83.8 | 80.5<br>81.9 | 80.6<br>81.9     | 81.9 | 82.0 | 82.0         | 82.0      | 82.0         | 82.0 | 82.0         | 82.0 | 82.1         | 82.1 | 82.1         |
| ≥ 6000<br>≥ 5000           | 77.0         |                  | 85.2                 | 85.2         | 85.3             | 85.3 | 85.3 | 85.3         | 85.3      | 84.0<br>85.4 | 85.4 | 85.4         | 85.4 | 85.4         | 85.4 | 85.5         |
| ≥ 4500<br>≥ 4000<br>≥ 3500 | 78.9         | 87.8<br>88.5     | 87,8                 | 87.9         | 88.0             | 88.0 | 88.0 |              | 88.0      |              | 88-1 | 88.1         | 88.1 | 88.1         | 88.1 | 86.6         |
| ≥ 3500<br>≥ 3600<br>≥ 2500 | 80.0         | 89.4             | 89.4                 | 89.5         |                  | 89.6 | 89.6 |              | 89.6      | 89.7         | 89.7 | 89.7<br>90.5 | 88.8 | 89.7         | 88.8 | 89.8         |
| ≥ 2000                     | 81.2         | 91.2             | 91.3                 | 91.5         | 91.6             | 91.6 | 91.7 | 91.7         |           | 91.7         | 91.7 | 91.7         | 91.8 | 91.8         | 91.8 |              |
| ≥ 1500                     | 81.8         | 92.4             | 92.6                 | 92.7         |                  | 92.9 | 93.0 | 73.1         | 93.1      | 93,2         |      | 93.2         | 93.2 | 93.2         | 93.2 | 93.2         |
| ≥ 1000<br>≥ 900            | 82.3         | 93.6             | 94.0                 | 94.1         | 94.5             | 94.6 | 94.7 | 94.9         | 94.9      | 95.0         | 95.0 | 95.0         | 95.1 | 95.1         | 95.1 | 95.1         |
| ≥ 800                      | 82.5         | 94.4             | _ , , , ,            |              | 94.9             | 95.1 |      | 95.4         | 95.5      | 95.6         | 95.6 | 95.4         |      | 95.6         |      |              |
| ≥ 600                      | 82.6         | 94.7             | 95.1<br>95.4         |              | 95.9             | 96.1 | 96.3 | 96.6         | 96.7      | 96.9         | 96.9 | 97.0         | 97.0 | 97.0         | 9740 | 97.8         |
| ≥ 400                      | 82.7<br>82.7 | 95.0             | 95.5<br>95.6         | 96.0         | 96.8             | 96.8 | 97.1 | 97.0<br>98.1 | 97.8      |              | 98.3 | 98.3         |      |              | 98.4 | 98.5         |
| ≥ 100                      | 82.7         | 95.0             | 95.7<br>95.7         | 96.0         | 96.9             | 97.2 | 97.7 | 98.3         | 98.6      | 99.2         | 99.2 | 99.3         | 99.4 | 99.5         | 99.5 | 99.6         |
| <u> 2</u> 0                | 82.7         | 95.0             | 95.7                 | 96.0         | 96.9             | 97.3 | 97.8 | 98.4         | 98.7      |              | 99.3 |              | 99.6 |              | 99.8 |              |

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC 101 00 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

#### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 68-77

WDA ...

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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| CEILING               |              |              |              |              |              |              | VIS                  | BILITY (ST       | ATUTE MILI   | FS)              |              |                  |              |                  |              |                  |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|
| FEET                  | ≥10          | ≥6           | ≥5           | ≥4           | ≥3           | ≥2⅓          | ≥2                   | ≥11⁄2            | ≥1¼          | ≥1               | ≥ 1,         | ≥ ¼              | ≥ %          | ≥ 5,16           | ≥ '4         | ≥0               |
| NO CEILING<br>≥ 20000 | 41.6         | 52.8<br>61.1 | 53.0<br>61.3 | 53.1<br>61.6 |              | 53.1         | 53.2                 | 53.2<br>61.7     | 53.2         | 53.2             | 53.2         | 53.2<br>61.7     | 53.2         | 53.2<br>-61.7    | 53.2         | 53.2<br>61.7     |
| ≥ 18000<br>≥ 16000    | 48.0<br>48.4 | 61.4         | 61.7         | 61.9<br>62.3 | 62.3         | 61.9         | 62.6                 | 62.4             | 62.4         | 62.4             | 62.4         | 62.4             | 62.4         | 62.4             | 62.4         | 62.4             |
| ≥ 14000<br>≥ 12000    | 49.6<br>52.8 | 63.0<br>67.8 | 63,2<br>68.0 |              |              | 63.4<br>68.2 | 63.6<br>68.3         | 68.3             | 63.6         | 63.6             | 63.6         | 63.6             | 63.6         | 63.6             | 63.6         | 63.6             |
| ≥ 10000<br>≥ 9000     | 58.6<br>58.7 | 75.0<br>75.7 |              | 76.1         | 76.1         | 75.4<br>76.1 | 75.6<br>76.2         | 76.2             | 75.6<br>76.2 | 75.6<br>76.2     | 75.6<br>76.2 | 75.6             | 75.6<br>76.2 | 75.6<br>-76.2    | 75.6         | 75.6<br>76.2     |
| ≥ 8000<br>≥ 7000      | 60.2<br>61.2 | 77.4<br>78.6 |              | 77.9         |              | 77.9<br>79.0 | 78 • 0<br>79 • 1     | 78.0<br>79.1     | 79.1         | 79.1             | 78.0<br>79.1 | 78.0<br>79.1     | 78.0<br>79.1 | 78.0             | 78.0<br>79.1 | 78 • 0<br>79 • 3 |
| ≥ 6000<br>≥ 5000      | 62.1<br>63.8 | 79.6         |              | 80.0<br>82.3 |              | 80.0<br>82.3 | 80.1<br>82.4         | 80 • 1<br>82 • 4 | 80.1<br>82.4 | 80.1<br>82.4     | 80.1<br>82.4 | 80 • 1<br>82 • 4 | 80.1         | 80.1<br>82.4     | 80.1<br>82.4 | 80.3<br>82.7     |
| ≥ 4500<br>≥ 4000      | 64.4<br>66.2 | 83.1<br>85.9 | 83.3<br>86.2 | , ,,         | " 1          | 83.7<br>86.6 | 83 <b>.8</b><br>86.7 | 83.8             | 83.8         | 83.8             | 83.8         | 83.8             | 83.8         | 83.8             | 83.8         | 84 • 0<br>86 • 9 |
| ≥ 3500<br>≥ 3000      | 67.3<br>68.2 | 87.3<br>88.7 | 7 7 7        | 88.1<br>89.4 | 88.1<br>87.4 | 88.1<br>89.6 | 88.2                 | 88.2<br>89.7     | 88.2         | 85 • 2<br>89 • 7 | 88.2<br>89.7 | 88.2             | 88.2         | 88 • 2<br>89 • 7 | 88.2         | 88 • 4<br>89 • 9 |
| ≥ 2500<br>≥ 2000      | 68.4<br>68.8 | 89.2<br>89.8 |              | 90.6         | 90.6         | 90.7         | 90.2<br>90.8         | 90.8             | 90.2         | 90.2             | 90.2         |                  |              | 1 11 1           | 1 - 1 - 1    | : • :            |
| ≥ 1800<br>≥ 1500      | 69.0         | 90.2         |              |              | 91.9         | 92.1         | 91.2<br>92.8         | 91.2             | 91.2<br>92.8 | 91.2             | 91.3         |                  | 91.4         | 91.4             |              | 91.7             |
| ≥ 1200<br>≥ 1000      | 69.1<br>69.1 | 91.4<br>91.6 | 92.0         | 92.6         | 92.6         | 92.8<br>93.1 | 93.7                 | 93.9             | 93.9         | 93.9             | 94.0         | 94.9             | 1 4 1 7 7    | 94.1<br>35.0     | 94.1         | 94.3             |
| ≥ 900<br>≥ 800        | 69.3         | 92.0<br>92.1 | 92.6         | •            |              | 93.7<br>93.9 | 94.8                 | 95.1<br>95.4     | 95.2<br>95.6 | 95.3<br>95.7     | 95.8         | 95.4             | 95.6         | 95.9             |              | 1 7 7 7          |
| ≥ /0<br>≥ 600         | 69.3<br>69.3 | 92.2<br>92.3 | 92.8         |              | 93.4         | 94.0         | 95.1<br>95.4         | 95.6             | 95.8<br>96.1 | 95.9             | 96.0         | 96.0             | 96.1         | 96.1             | 96.6         | 7                |
| ≥ 500<br>≥ 400        | 69.3         | 92.8         | 93.4         | 94.0         | 94.1         | 94.8         | 96.2                 | 96.7             | 96.6         | 96.8             | 97.5         | 97.2             | 97.3         | 97.3             | 97.3         | 97.6             |
| ≥ 300<br>≥ 200        | 69.3         |              |              | م مما        | 94.2         | 95.3<br>95.4 |                      | 97.0<br>97.1     | 97.2<br>97.1 | 97.8             | 98.0         | 98.0             | 98.2         | 98.2             | 98.3         | 98.8             |
| ≥ 100<br>≥ 0          | 69.3         |              |              | ت نما        | 94.3         | 95.4<br>95.4 | 96.7                 | 97.1<br>97.1     | 97.3         | 1                | 98.0         | 98.0             |              | 98.2             | 1 4 2 5 1    | 99.3             |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OMICLETE

### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS 08-77

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING                    |              |              |              |              |                      |                      | VIS                  | BILITY (STA      | TUTE MILE            | (S)                  |                      |                      |                      |                      |                      |                      |
|----------------------------|--------------|--------------|--------------|--------------|----------------------|----------------------|----------------------|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| FEET                       | ≥;3          | ≥6           | ≥5           | ≥ 4          | ≥3                   | ≥2%                  | ≥2                   | ≥1%              | ≥1¼                  | ≥1                   | ≥ 1,4                | ≥,•                  | ≥ '⁊                 | ≥5 16                | ≥ '.                 | ≥0                   |
| NO CEILING<br>≥ 20000      | 39.3<br>47.6 | - : : il     | 50.4<br>62.0 | 62.0         |                      | 50.8<br>62.3         | 50.8<br>62.3         | 62.3             | 50.9<br>52.4         |                      |                      |                      | 51.0<br>62.6         |                      | 51.1<br>62.7         | 51.2<br>62.8         |
| ≥ 18000<br>≥ 16000         | 47.6         | 61.9         | 62.0         | 62.0         | 62.3                 | 62.3                 | 62.3                 | 62.3             | 62.4                 | 62.4                 | 62.4                 | 62.4                 | 62.6                 |                      | 62.7                 | 62.8<br>62.8         |
| ≥ 14000<br>≥ 12000         | 51.4         | 67.1         | 67.2         | 67.2         | 67.7                 | 67.7                 | 67.7                 | 62.9             | 67.8                 |                      |                      | 67.8                 | 67.9                 | 63.2<br>68.0         | 63.2<br>68.0         |                      |
| ≥ 10000<br>≥ 9000          | 57.2<br>57.3 | 74.9         | 75.0         | 75.0         | 74.8<br>75.4         | 75.4                 | 74.8                 | 75 · 4<br>77 · 6 | 74.9<br>75.6<br>77.7 | 75.0<br>75.7<br>77.8 | 75.0<br>75.7<br>77.8 | 75.0<br>75.7<br>77.8 | 75.8<br>75.8         | 75.2<br>75.9<br>78.0 | 75,2<br>75,9<br>78.0 | 75.3<br>76.0<br>78.1 |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 60.1         | 77.8         | 77.9         | 77.9         | 78.3                 | 78.3                 | 78.3                 | 78.3             | 78.4                 | 78.6<br>78.9         |                      | 78.6                 | 78.7                 | 78.8<br>79.1         |                      |                      |
| ≥ 5000<br>≥ 5000           | 61.8         | 80.2<br>81.4 | 80.3         | 80.3         | 80.8                 | 80.8                 | 80.8                 | 80.8             | 80.9                 | 81.0                 |                      | 81.0                 | 81.1                 | 81.2                 | 81.2                 | 81.3                 |
| ≥ 4000<br>≥ 3500           | 64.1         | 83.6<br>85.0 | 83.7         | 83.7         | 84.1                 | 84.1                 | 84.1                 | 84.1             | 84.2                 | 84.3                 | 84.3<br>85.8         | 84.3<br>85.8         | 84.4                 | 84.6                 | 84.6                 | 84.7                 |
| ≥ 3000<br>≥ 2500           | 65.9         | 86.2<br>87.4 | 86.3         | 86.3         | 86.8                 | 86.8                 | 86.9                 | 88.3             | 87.0                 | 87.1<br>88.6         | 87.1                 | 87.1                 | 87.2                 | 88.8                 | 87.3<br>88.8         |                      |
| ≥ 2000                     | 67.0         | 88.3         | 88.6         |              | 89.0                 | 89.1                 | 39.3<br>89.7         | 89.9             | 90.0                 | 89.5<br>90.1         | 90.1                 | 89.8<br>90.1         | 90.2                 | 90.4                 | 90.4                 |                      |
| ≥ 1500                     | 67.2         | 88.9         |              | 1 1 1 7 1    | 90.0                 | 90.1                 | 90.3                 | 92.6             | 90.9                 | 91.0                 | 93.0                 | 91.0                 | 93.1                 | 93.3                 | 93.3                 | 93.4                 |
| ≥ 1000<br>≥ 900<br>≥ 800   | 67.7<br>67.9 | 90.6         | 91.1<br>91.6 | 91.6<br>91.6 | 91.9<br>92.6<br>92.6 | 92.1<br>92.8<br>92.8 | 92.7<br>93.3<br>93.3 |                  | 93.9<br>94.8<br>94.8 | 94.9                 | 94.9                 | 94.9                 | 94.1<br>95.0<br>95.0 | 94.3<br>95.2<br>95.2 | 94.3<br>95.2<br>95.2 | 95.3                 |
| ≥ 700<br>≥ 600             | 67.9         | 90.9         | 91.6<br>91.8 | 91.6<br>91.8 | 92.6                 | 92.8                 | 93.3                 | 94.4<br>94.8     | 94.9                 | 95.0                 | 95.0<br>95.6         | 95.0                 | 95.1<br>95.7         | 95.3                 | 95.3                 | 95.4                 |
| ≥ 500<br>≥ 400             | 67.9         | 91.1         | 91.9         | 91.9         | 92.9                 | 93.2                 | 93.9                 | 95.1             | 95.7<br>95.8         | 95,9                 | 95.9<br>96.1         | 95.9                 | 96.1                 | 96.3                 | 96.6<br>96.9         | 96.7                 |
| ≥ 300<br>≥ 200             | 67.9         | 91.1         | 91,9         | 91.9<br>91.9 | 92.9                 | 93.6<br>93.6         | 94.2                 | 95.6             | 96.1<br>96.2         | 96.4<br>96.6         | 96.4<br>96.6         | 96.4<br>96.6         | 96.7<br>96.8         |                      |                      | 98+0                 |
| ≥ 100<br>≥ 0               | 67.9<br>67.9 | 91.1<br>91.1 | 91.9         |              | 92.9                 |                      | 94.2                 | 95.7             | 96·2<br>96·2         | 96.6                 |                      | 96.7                 | 97.0                 | (                    | 98,1                 | 98.7                 |

TOTAL NUMBER OF OBSERVATIONS

200

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

#### CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>-0600-0800</del>

| CEILING                 |                      |              |              |              |              |                      | VISI         | BILITY (STA          | TUTE MILE    | <b>S</b> )           |                      |                      |                      |                      |              |                      |
|-------------------------|----------------------|--------------|--------------|--------------|--------------|----------------------|--------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|
| FEET                    | ≥10                  | ≥6           | ≥ 5          | ≥4           | ≥ 3          | ≥2%                  | ≥ 2          | ≥1½                  | ≥1¼          | ≥1                   | ≥ 34                 | ≥                    | ≥ ⅓                  | ≥ 5/16               | ≥'₄          | ≥c                   |
| NO CEILING<br>≥ 20000   | 39.4<br>49.7         | 44.7<br>57.6 | 44.8<br>57.7 | 44.8<br>57.7 | 44.9<br>57.8 | 44.9<br>57.8         | 44.9<br>57.6 | 44.9<br>57.8         | 44.9<br>57.8 | 45.0<br>57.9         | 45.0                 | 45.0<br>57.9         | 45.0<br>58.0         | 45.0<br>58.0         | 45.0<br>58.0 | 45.0<br>58.0         |
| ≥ 18000<br>≥ 16000      | 49.7<br>49.7         | 57.6<br>57.6 | 57.7<br>57.7 | 57.7<br>57.7 | 57.8<br>57.8 | 57.8<br>57.8         | 57.8         | 57.8<br>57.8         | 57.8<br>57.8 | 57.9<br>57.9         | 57.9<br>57.9         | 57.9                 | 58.0<br>58.0         | 58.0<br>56.0         | 58.0<br>58.0 | 53•0<br><b>58•</b> 0 |
| ≥ 14000<br>≥ 12000      | 50.9<br>55.7         | 58.8<br>63.6 | 58,9<br>63,7 | 58.9<br>63.7 | 59.0<br>63.8 | 59.0<br>63.8         | 59.0<br>63.8 | 59.0<br>63.8         | 59.0<br>63.8 | 59.1<br>63.9         | 59.1<br>63.9         | 59.1<br>63.9         | 59.2<br>_64.0        | 59.2<br>64.0         | 59.2<br>64.0 | 59 • 2<br>64 • 0     |
| ≥ 10000<br>≥ 9000       | 64.3                 | 72.3         | 72.4         | 72.6<br>73.6 | 72.7<br>73.7 | 72.7                 | 72.7         | 72.7                 | 72.7         | 72.8                 | 72.8                 | 72.8<br>73.8         | 72.9                 | 73.0                 | 73.0         | 73.0<br>74.0         |
| ≥ 8000<br>≥ 7000        | 66.3                 | 75.4         | 75.6<br>77.5 | 75.7<br>77.7 | 75.8         | 75.8<br>77.8         | 75.5         | 75.8                 | 75.8<br>77.8 | 75.9<br>77.9         | 75,9<br>77.9         | 75.9<br>77.9         | 76.0<br>78.0         | 78.1                 | 76.1<br>78.1 | 76 • 1<br>78 • 1     |
| ≥ 6000<br>≥ 5000        | 69.1<br>71.2         | 78.2<br>30.9 | 78.3<br>81.0 | 78.4<br>81.1 | 78.6<br>81.4 | 78.6                 | 78.6         | 78.6<br>81.6         | 78.6<br>81.6 | 78.7<br>81.7         | 78.7<br>81.7         | 78.7<br>81.7         | 78.8<br>81.8         | 81.9                 | 78.9<br>81.9 | 78.9<br>81.9         |
| ≥ 4500<br>≥ 4000        | 71.8                 | 81,4<br>82.7 | 81.6<br>82.8 | 82.9         | 82.0<br>83.6 | 82.0<br>83.6         | 82.1<br>83.7 | 82.1<br>83.7         | 82.1<br>83.8 | 82.2<br>83.9         | 82.2                 | 82 • 2<br>83 • 9     | 82.3                 | 82.4                 | 82.4<br>84.1 | 82•4<br>84•1         |
| ≥ 3500<br>≥ 3000        | 73.6                 | 85.3         | 83.8         | 85.6         | 86.2         | 84.6                 | 84.7         | 84.7                 | 84.8         | 84.9<br><u>86.6</u>  | 84.9                 | 84.9                 | 85.0                 | 85.1<br>86.8         | 85.1<br>86.8 | 85 • 1<br>86 • 8     |
| ≥ 2500<br>≥ 2000        | 75.4                 | 86.7         | 86.6         | 87.0         | 87.9         | 87.6<br>87.9         | 87.7<br>88.2 | 87.7                 | 87.8         | 87.9<br>88.6         | 87.9<br>88.6         | 87.9<br>88.6         | 88.7                 | 88.1                 | 88.1         | 88.8                 |
| ≥ 1800<br>≥ 1500        | 75.7<br>75.8<br>76.1 | 86.7         |              | 87.9         | 88.0<br>88.9 | 88.9                 | 88.3         | 88.4                 | 88.6         | 89.9                 | 88.7                 | 88.7                 | -curu                | 90.1                 | 88.9<br>90.1 | 90-1                 |
| ≥ 1200                  | 76.1<br>76.1         | 88.4<br>88.4 | 88,6<br>88,9 |              | 90.2         | 89.9<br>90.4<br>90.8 | 90.8<br>91.3 | 91.6<br>91.6         | 91.8<br>91.8 | 91.3<br>92.0<br>92.8 | 91.3<br>92.0<br>92.8 | 91.3<br>92.0         | 91.4<br>92.1<br>92.9 | 91.6                 | 92.2         | 92.2                 |
| ≥ 900<br>≥ 800<br>≥ 700 | 76.2                 | 88.7         | 89.2         | 89.4         | 90.6         | 90.8<br>90.9<br>91.4 | 92.6         | 92.1<br>92.2<br>92.8 | 92.6         | 92.8<br>93.0<br>93.6 | 93.0                 | 92.8<br>93.0<br>93.6 | 92.9<br>93.1<br>93.7 | 93.2                 | 93.2         | 93.2                 |
| ≥ /00<br>> 600<br>≥ 500 | 76.4                 | 90.1         | 90.7         | 90.9         | 92.0         | 92.4                 | 92.6<br>93.6 | است ا                | 94.1         | 94.6<br>95.1         | 93.6<br>94.6<br>95.1 | 94.6<br>94.6         | 94.7                 | 93.8<br>94.8<br>95.4 | 94.8         | 9448                 |
| ≥ 40°<br>≥ 300          | 76.4                 |              | 91.1         | 91.3         | 1 1          | 93.0                 | 94.2         | 94.8                 | 95.1<br>95.4 | 95.7                 | 95.9                 | 95.9                 | 96.1                 | 96.2                 | 96.2         | 96.2                 |
| ≥ 100                   | 76.4                 | 90.4         | 91.1         | 91.3         | 92.6         | 93.3                 | 94.8         | 95.4                 | 95.9<br>95.9 | 96.4                 | 96.7                 | 96.7                 | 97.2                 | 97.4                 | 97.7         | 97.7                 |
| ≥ 0                     | 76.4                 | 90.4         | 91.1         | 91.3         | 92.6         | 93,3                 | 94.8         | 95.4                 | 95.9         | 46.4                 | 96.7                 | 96.7                 | 97.3                 | 97.6                 | 1 1 1        | 100-0                |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING              |              |              |              |              |              |              | VIS          | IBILITY (ST  | ATUTE MILI | ES)          |              |              |              |              |              |      |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|------|
| FEET.                | ≥10          | ≥6           | ≥5           | ≥4           | ≥3           | ≥2%          | ≥2           | ≥1%          | ≥1½        | ≥1           | ≥ 1,4        | ≥,*          | ≥%           | ≥ 5′16       | ≥14          | ≥0   |
| O CEILING<br>≥ 20000 | 42·2<br>53·8 | 42.3<br>53.9 |              | 42.3<br>53.9 | 42.3<br>53.9 |              |              | 42.7<br>54.2 |            |              |              | 42.9         | 42.9         |              | 42.9         |      |
| ≥ 18000<br>≥ 16000   | 53.8<br>53.9 | 54.0         | 53.9<br>54.0 | 53.9<br>54.0 | 53.9<br>54.0 | 54.1<br>54.2 | 54.2         | 54.2         | 54.3       | 54.3<br>54.4 | 54.4<br>54.6 | 54.4<br>54.6 | 54.6         | 54.6         | 54.6         |      |
| ≥ 14060<br>≥ 12000   | 55.0         | 55.1         | 35.1<br>61.1 | 55.1<br>61.1 | 55.1         | 55.3<br>61.3 |              | 55.4         | 55.6       | 55.6         | 55.7         | 55.7         | 55.8         | 55.8         | 55.8         |      |
| ≥ 10000<br>≥ 9000    | 69.3<br>70.7 | 69.5<br>70.9 | 69.6<br>70.9 | 69.6<br>70.9 | 69.6         | 69.8<br>71.1 |              | 70.0         | 70.1       | 70.2<br>71.6 | 70.3         | 70.3         | 70.4         | 70.4<br>71.8 | 70.4         |      |
| ≥ 8000<br>≥ 7000     | 72.6         | 73.1<br>75.1 | 73.2         | 73.2<br>75.3 | 73.3         | 73.6<br>75.8 | 73.8         | 73.8         | 73.9       | 74.0         |              | 74.1         | 74.2         | 74.2<br>76.6 | 74.2         | 74.  |
| ≥ 6000<br>≥ 5000     | 75.8<br>78.9 | 75.4         | 76.7<br>80.1 | 76.8<br>80.2 | 76.9         | 77.2         | 77.4         | 77.4<br>81.1 |            | 77.7         | 77.8         | 77.8         | 78.0         | 78.0         | 78.0<br>81.7 |      |
| ≥ 4500<br>≥ 4000     | 79.9         | 80.7<br>82.8 | 81.1         | 81.2<br>83.3 | 81.4         |              | 82.2         | 82.2         |            |              | 82.7         | 82.7         | 82.9<br>85.2 | 82.9         | 82.9<br>85.2 | 83.  |
| ≥ 3500<br>≥ 3000     | 81.8         | 82.8         | 83.2         | 83.3         | 83.8         | 64.3         | 84.6<br>85.4 |              |            | 85.1         | 85.3         | 85.3         | 85.6         | 85.6         | 8. 6         |      |
| ≥ 2500<br>≥ 2000     | 82.3<br>82.4 | 83.7<br>54.4 | 84.3         | 84.4<br>85.6 | 85.0         | 85.6<br>87.2 |              | 85.9         | 86.3       | 86.7         | 86.9         | 86.9         | 87.1         | 87.1<br>89.1 | 87.1<br>89.1 | 87.  |
| ≥ 1800<br>≥ 1500     | 82.6<br>82.9 | 84.6<br>85.1 | 85.6         | 85.7<br>86.3 | 86.6         | 87.3         | 87.7<br>88.3 | 88.1         | 88.6       |              | 89.2         | 89.2         | 89.4         | 89.4         | 89,4         | 89.  |
| ≥ 1200<br>≥ 1000     | 83.0         | 85.3<br>85.9 | 86.4         | 86.7<br>87.4 | 87.7         | 88.4         | 88.9         | 89.4<br>90.6 | 90.3       | 91.0         | 91.3         | 91.3         | 91.6         |              | 91.6         |      |
| ≥ 900<br>≥ 800       | 83.2         | 86.2<br>86.2 | 87.4<br>87.4 | 87.8<br>87.8 | 88.9         | 89.7         | 90.3         | 91.0         |            | 93.1         | 93.4         | 93.7         | 93.9         | 93.9         | 94.0         |      |
| ≥ 700<br>≥ 600       | 83.3         | 86.4<br>86.8 | 87.7<br>88.2 | 88.0<br>88.6 | 89.2         |              | 91.0         |              | 92.8       | 94.2         | 94.7         | 94.9         | 95.1         | 95.1         | 95.2         | 95.  |
| ≥ 500<br>≥ 400       | 83.4         | 86.9<br>86.9 | 88.4         | 88.7<br>88.8 | 90.3         |              | 92.2         | 93.0         | 94.2       | 96.0         |              | 96.9         | 97.1         | 97.1         | 97,2         | 97.  |
| ≥ 300<br>≥ 700       | 83.4<br>83.4 | 86.9         | 88.4<br>88.6 | 85.8         | 90.6         | 91.6         |              | 93.3         | 94.6       |              | 97.0         | 97.3         | 97.6<br>98.2 |              | 97.8         |      |
| ≥ 100<br>≥ 0         | 83.4         | 87.0         | 88.6         | 89.0         | 90.9         | 92.0         | 93.0         | 93.8         | 95.0       | 96.9         |              |              | 98.2         | 98.2<br>98.2 |              | 99.0 |

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS

68-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 1200-1400</u>

| CEILING                    |                      |                      |              |              |                      |                      | VIS                  | IBILITY (STA         | TUTE MILI            | ES)                  |                      |                      | ,                    |                      |                      |                      |
|----------------------------|----------------------|----------------------|--------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| FEET                       | ≥10                  | ≥6                   | ≥5           | ≥ 4          | ≥3                   | ≥2½                  | ≥2                   | ≥11/2                | ≥1¼                  | ≥1                   | ≥ 1,4                | ≥ ⅓                  | ≥ ⅓                  | ≥ 5/16               | د, ≷                 | ≥0                   |
| NO CFILING<br>≥ 20000      | 45.9<br>58.0         | 46.2<br>58.3         | 46.6<br>58.7 | 46.7<br>58.8 | 46.9<br>59.0         | 46.9<br>59.0         | 46.9<br>59.0         | 46.9<br>59.0         | 46.9<br>59.0         | 46.9<br>59.0         | 46.9                 | 46.9                 | 46.9                 | 46.9                 | 46.9                 | 46.9                 |
| ≥ 18000<br>≥ 16000         | 58.3<br>58.7         | 58.7<br>59.0         | 59,0<br>59,3 | 59.1<br>59.4 | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59.3<br>59.7         | 59,3<br>59.7         | 59•3                 |
| ≥ 14000<br>≥ 12000         | 66.3                 | 60.3                 | 67.0         | 67.1         | 61.0<br>67.3         | 61.0                 | 67.3                 | 61.0<br>67.3         | 67.3                 | 61.0                 | 61.0                 | 61.0<br>67.3         | 61.0                 | 67.3                 | 61.0                 | 61.0                 |
| ≥ 10000<br>≥ 9000          | 73.9<br>75.2         | 76.1                 | 75+1<br>76+4 | 75.2<br>76.6 | 75.6<br>76.9         | 75.6                 | 75.6<br>76.9         | 76.9                 | 75.6<br>76.9         | 75.6<br>76.9         | 75.6<br>76.9         | 75•7<br>77•0         | 75.8<br>77.1         | 75.8                 | 75.8                 | 75.8                 |
| ≥ 8000<br>≥ 7000           | 76.6<br>78.9<br>79.8 | 80.0                 | 78.0<br>80.3 | 78.1<br>80.4 | 78.4<br>80.8<br>81.7 | 78.4<br>80.8         | 78 • 4<br>80 • 8     | 78.4<br>80.8         | 78 • 4<br>80 • 8     | 78.4<br>80.8<br>81.8 | 78.4<br>80.8         | 78 6<br>80 9         | 78.7                 | 78.7                 | 75.7<br>81.0         | 78.7<br>81.0         |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 82.8                 | 84.6                 | 84.3         | 84.4<br>85.1 | 84.8                 | 81.7<br>84.8<br>85.4 | 81.7<br>84.8<br>85.4 | 81.7<br>85.0<br>85.7 | 81.8<br>85.1<br>85.8 | 85.1<br>85.8         | 81.8<br>85.1         | 81.9<br>85.2<br>85.9 | 82.0<br>85.3<br>86.0 | 82.0<br>85.3<br>86.0 | 82.0<br>85.3<br>86.0 | 82.0<br>85.3         |
| ≥ 4000                     | 84.9<br>84.9         | 86.3                 | 87.1<br>87.2 | 87.3<br>87.4 | 87.7                 | 87.7                 | 87.7<br>87.9         | 87.9<br>88.1         | 88.0<br>88.2         | 88.0                 | 88.0<br>88.2         | 88.3                 | 88.2                 | 88.2<br>88.4         | 88.2                 | 86.0<br>88.2<br>88.4 |
| ≥ 3000<br>≥ 2500           | 85.2                 | 86.9                 | 87.8         | 88.0         | 88.7                 | 88.7                 | 88.7                 | 89.0<br>89.2         | 89.1                 | 89.3                 | 89.1                 | 89.2                 | 89.3                 | 89.3                 | 89.3<br>89.6         | 89.3<br>89.6         |
| ≥ 2000                     | 85.6<br>85.8         | 87.3<br>87.7         | 88.2         |              | 89.4                 | 89.7<br>90.1         | 90.1                 | 90.0<br>90.4         | 90.1                 | 90.1                 | 90.1                 | 90.2                 | 90.8                 | 90.3                 | 90.3                 | 90.8                 |
| ≥ 1500                     | 86.1                 | 88.3                 |              | 90.6         |                      | *** 7 **             | 91.1                 | 91.4                 | 91.6                 | 99.3                 | 92.0                 | 92.2<br>93.8         |                      | 92.3                 | 92,3                 | 92.3                 |
| ≥ 1000<br>≥ 900<br>≥ 800   | 86.7                 | 89.7                 |              | 91.8         | 93.4<br>93.4         | 93.3                 | 93.3                 | 94.2                 | 94.7                 | 95.3<br>95.9         | 95.7<br>96.3         | 95.9                 | 96.7                 | 96.0                 | 96.0<br>96.7         | 96.7                 |
| ≥ /00<br>≥ 600             | 86.8<br>86.8         | 90.0<br>90.0<br>90.1 |              |              | 93.6<br>93.6         |                      | 93.8<br>93.8         | 94.4                 | 94.8                 | 96.0<br>96.2<br>96.8 | 96.4<br>96.8<br>97.7 | 97.0                 | 96.8                 | 96.8<br>97.1         | 96.8<br>97.3         | 96.8                 |
| ≥ 500<br>≥ 400             | 86.8                 | 90 · 1<br>90 · 2     | 91.4         | 92.3         | 94.2                 | 94.4                 | 94.4                 | 95.1                 | 95.6<br>95.8         | 97.1                 | 98.0                 | 98.2                 | 98.3                 | 98.3                 | 98.6                 | 98+2<br>98•6         |
| ≥ 300<br>≥ 200             | 86.8                 | 90.3                 | بتعسب        | 92.6         | 94.4                 | 94.7                 | 94.7                 | 95.4<br>95.6         | 95.9<br>96.1         | 97.6<br>97.8         |                      | 98.7                 | 98.9                 |                      | 99.3<br>99.7         | 99.4                 |
| ≥ 100<br>≥ 0               | 86.8                 |                      |              | 92.6<br>92.6 |                      | 94.7                 | 94.7                 | 95.6                 | 96.1                 | \$7.8<br>97.8        |                      | 99.0                 |                      | 99.4                 | 99.9                 | 100.0                |

TOTAL NUMBER OF OBSERVATIONS

90

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

24112

13

E1

MALMSTROM AFB MT/GREAT FALLS

68-77

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING                     |                      |                      |                      |                      |                      |                      | VIS  | IBILITY (ST          | ATUTE MILI           | ES)          |       |                      |       |                      |                      |              |
|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|----------------------|----------------------|--------------|-------|----------------------|-------|----------------------|----------------------|--------------|
| FEET                        | ≥10                  | ≥6                   | ≥5                   | ≥4                   | ≥3                   | ≥2½                  | ≥2   | ≥1½                  | ≥1¼                  | ≥1           | ≥ 1,4 | ≥′•                  | ≥ 1/2 | ≥5′16                | ≥ '.                 | ≥0           |
| NO CEILING<br>≥ 20000       | 48.3<br>59.0         | 59.1                 |                      | 59.5                 | 59.6                 | 59.6                 | 59.6 |                      |                      | 59.6         | 59.6  |                      |       | 48 • 8<br>59 • 6     | 48.8<br>59.6         | 48.8<br>59.6 |
| ≥ 18000<br>≥ 16000          | 59.5<br>59.6         | 59.7                 | 59.8<br>60.0         | 60.2                 |                      | 60.3                 | 60.3 |                      |                      | 60.3         | 60.3  |                      |       | 60.2                 | 60.2                 | 60.3         |
| ≥ 14000<br>≥ 12000          | 67.3<br>73.7         | 67.4                 | 67.6                 | 67.9                 | 68.0                 | 68.0                 |      | 61.7                 |                      |              |       |                      | 68.0  | 61.7                 | 61.7                 | 61.7         |
| ≥ 10000<br>≥ 9000<br>≥ 8000 | 76.3                 | 76.8                 | 77.0<br>79.6         | 77.2                 | 77.3<br>80.0         | 74.6<br>77.3<br>80.0 |      | 74.6<br>77.3         | 74.6<br>77.3<br>80.0 | 77.3         |       | 77.3                 | 77.3  |                      | 74,6                 |              |
| ≥ 7000<br>≥ 7000            | 81.0                 | 81.9<br>83.4         | 82.1                 | 82.3                 | 82.4                 | 82.4                 | 82.4 |                      |                      | 82.4         | 82.4  | -                    | 1     | 80.0<br>82.4<br>84.0 | 82.4                 | 82.4         |
| ≥ 5000<br>≥ 4500            | 83.8                 | 85.3                 | 85.5                 | 85.8                 | 86.0                 | 86.0                 | 86.0 | 86.0                 | 86.0                 | 86.0         | 86.0  | 86.0                 |       |                      |                      | 86.0         |
| ≥ 4000<br>≥ 3500            | 86.5<br>87.1         | 88 • 1<br>89 • 0     |                      | 89.5                 | 90.0                 | 89.2<br>90.1         |      | 89.2<br>90.1         | 89.2<br>90.1         |              |       |                      | =     |                      | 89.2<br>90.1         | 89.2<br>90.1 |
| ≥ 3000<br>≥ 2500            | 87.5                 | 89.7<br>90.7         | 90.0                 | 91.2                 | 90.9                 |                      | 92.0 | 92.2                 | 91.2                 | 92.2         | 92.2  |                      |       | 91.2                 | 91.2                 | 91.2         |
| ≥ 2000<br>≥ 1800<br>≥ 1500  | 88.4<br>88.8<br>89.3 | 91.3<br>91.7<br>92.4 | 91.7                 | 92.3                 | 92.8                 | 92.9                 | 93.2 |                      | 93.4                 |              | 93.7  | 93.7                 | 93.7  | 93.7                 | 93.7                 | 93.7         |
| ≥ 1200<br>≥ 1000            | 89.7                 | 92.8<br>93.1         | 92.8<br>93.1<br>93.4 | 93.1<br>93.4<br>93.9 | 93.9<br>94.3<br>95.1 | 94.0<br>94.5<br>95.3 | 94.5 | 94.8<br>94.8<br>95.8 | 95.0                 |              | 95.7  | 95.7                 | 95.8  | 94.8                 | 94.8<br>95.8<br>97.4 | 95.8         |
| ≥ 900<br>≥ 800              | 89.8                 | 93.3                 | 93.7                 | 94.2                 | 95.4<br>95.6         | 95.7<br>95.8         | 95.8 | 96.1                 | 96.4<br>96.6         | 97.4         |       | 97.3<br>97.7<br>97.8 | 97.8  | 97.4<br>97.8<br>97.9 | 97.8                 | 97.8         |
| ≥ /00<br>≥ 600              | 89.9<br>90.0         | 93.5<br>93.8         | 94.0                 | 94.5                 | 95.8<br>96.0         | 96.0                 | 96.1 | 96.4                 | 96.8<br>97.0         | 97.9         | 98.0  |                      | 98.2  | 98.2<br>98.8         | 98.3                 | 98.3         |
| ≥ 500<br>≥ 400              | 90·1<br>90·1         | 94.0<br>94.0         | 94.5                 | 95.1<br>95.1         | 96.3<br>96.3         | 96.6<br>96.6         |      | 97.0                 | 97.4<br>97.4         | 98.9<br>98.9 | 99.0  | 99.1<br>99.1         | 99.3  | 99.3                 | 99.6<br>99.6         |              |
| ≥ 300<br>≥ 200              | 90.1<br>90.1         | 94.1                 | 94.7                 | 95.2                 | 96.4                 | 96.7                 |      | 97.1                 | 97.7<br>97.7         | 99.1         | 99.3  | 99.4                 | 99.8  | 99.8                 | 99,9                 | 00.0         |
| ≥ 100<br>≥ 0                | 90.1                 | 94.1                 | 94.7                 | 95.2<br>95.2         | 96.4                 | 96.7                 | 96.8 | 97.1<br>97.1         |                      |              |       | 99.4                 |       | 99.8<br>99.8         |                      |              |

TOTAL NUMBER OF OBSERVATIONS

89

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

1

1

## CEILING VERSUS VISIBILITY

MALMSTRUM AFB MT/GREAT FALLS 68-77

"MUV

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_1<u>800=2000</u>

| CEILING               |                  |                  |              |              |              |              | VISI         | BILITY (STA      | ATUTE MILI       | ES)              |              |                     |              |                   |              |                  |
|-----------------------|------------------|------------------|--------------|--------------|--------------|--------------|--------------|------------------|------------------|------------------|--------------|---------------------|--------------|-------------------|--------------|------------------|
| FEET                  | ≥10              | ≥6               | ≥ 5          | ≥ 4          | ≥3           | ≥2⅓          | ≥ 2          | ≥11/2            | ≥11/4            | ≥ı               | ≥ 3,4        | ≥ ⅓                 | ≥ ⅓          | ≥ 5/16            | ≥,•          | ≥0               |
| NO CEILING<br>≥ 20000 | 39.5<br>45.7     | 50.5<br>59.2     | 50,6<br>59,3 | 50.6<br>59.3 | 50.6<br>59.3 | 50.6<br>59.3 | 50.6<br>59.3 | 50.6<br>59.3     | 50.6<br>59.3     | 50.6<br>59.3     | 59.3         | 50.6<br>59.3        | 50.6<br>59.3 | 59.3              | 50.6<br>59.3 | 50 • 6<br>59 • 3 |
| ≥ 18000<br>≥ 16000    | 45 • 8<br>45 • 8 | 59.6<br>59.6     | 59,8<br>59,8 | 59.8<br>59.8 | 59.8<br>59.8 | 59.8<br>59.8 | 59.8<br>59.8 | 59.8             | 59.8<br>59.8     | 59.8<br>59.8     | 59.8<br>59.8 | 59.8                | 59.8<br>59.8 | 59.8<br>59.8      | 59.8<br>59.8 | 59 • 8<br>59 • 8 |
| ≥ 14000<br>≥ 12000    | 47.2<br>54.1     | 61.0             | 61.1         | 61.1<br>69.5 | 61.1         | 61.1         | 61.1         | 61.1             | 61.1<br>69.5     | 61 · 1<br>69 • 5 | 61.1         | 61 • 1<br>69 • 5    | 61.1         | 61.1              | 61.1         | 61.1             |
| ≥ 10000<br>≥ 9000     | 59.0<br>60.4     | 75.4<br>77.0     | 75,5<br>77,1 | 75.5<br>77.1 | 75.5<br>77.1 | 75.5<br>77.1 | 75 <b>.5</b> | 75.5<br>77.1     | 75.5             | 75.5<br>77.1     | 75.5<br>77.1 | 75.5<br>77.1        | 75.5         | 77.1              | 75.5<br>77.1 | 77-1             |
| ≥ 8000<br>≥ 7000      | 63.2<br>64.8     | 79.9             |              | 81.7         | 80.0<br>81.7 | 80.0<br>81.7 | 80.0<br>81.7 | 80 • 0<br>81 • 7 | 80.0<br>81.7     | 80.0<br>81.7     | 80.0<br>81.7 | 80 • 0<br>81 • 7    | 80.0         | 81.7              | 81,7         | 81.7             |
| ≥ 6000<br>≥ 5000      | 65.9<br>66.7     | 83 • 6<br>84 • 7 | 83,9<br>85,1 | 83.9<br>85.1 | 83.9<br>85.1 | 83.9<br>85.1 | 83.9<br>85.1 | 83.9<br>85.1     | 83.9             | 83.9<br>85.1     | 83.9<br>85.1 | 83.9<br><u>85.1</u> | 83.9         | 83.9<br>85.1      | 83.9<br>85.1 | 83.9             |
| ≥ 4500<br>≥ 4000      | 67.2<br>68.2     | 85.8             | 86.2         |              | 86.2<br>67.6 | 86.2<br>87.6 | 86•2<br>87•7 | 86.2             | 86.2<br>87.7     | 86.2<br>87.7     | 86.2<br>87.7 | 86.2                | 86.2         | 86 • 2<br>_87 • 7 | 86.2<br>87.7 | 86 • 2<br>87 • 7 |
| ≥ 3500<br>≥ 3000      | 69.1<br>69.8     | 88.5             |              | 90.2         | 90.2         | 89.0<br>90.2 | 89•1<br>90•3 | 89•1<br>90•3     | 89.1<br>90.3     | 89.2<br>90.4     | 89.2<br>90.4 | 89 • 2<br>90 • 4    | 89.2         | 89 · 2            | 89.2         | 89 • 2           |
| ≥ 2500<br>≥ 2000      | 70.0<br>70.3     | 90.7             | 90.5<br>91.5 | 91.6         |              | 90.7<br>91.8 | 90.9         | 90.9<br>92.0     | 90.9             | 92.2             | 91.0<br>92.2 | 91.0                | 91.0         | 92.2              | 91.0         | 92.2             |
| ≥ 1800<br>≥ 1500      | 70.3<br>70.6     | 90.7             | 91.5<br>92.8 | 92.9         |              | 91.8<br>93.0 | 92.0         | 92•1<br>93•4     | 92•1<br>93•5     | 92.3             | 92.3         | 92.3                | 92.3         |                   | 93.9         | 93.9             |
| ≥ 1200<br>≥ 1000      | 70.8<br>71.1     | 92.3             |              | 94.4         | 93.8<br>95.2 | 94.0<br>95.4 | 94.4<br>96.0 | 94.6<br>96.2     | 94.9<br>95.4     | 96.9             | 95.3<br>96.9 | 95.3                |              | 96.9              | 95.3         | 96.9             |
| ≥ 500<br>≥ 800        | 71.3             | 93.5             |              |              | 95.8         | 95.8<br>96.1 | 96.7         | 96.5<br>96.9     | 96.8             | 97.5             | 97.2<br>97.5 | 97.5                | 97.2         | 97.5              | 97.5         | 97.5             |
| ≥ /00<br>≥ 600        | 71.5             | 93.6<br>94.0     |              | 95.0<br>95.3 | 96.1         | 96.4<br>96.4 | 96.7         | 96.9<br>97.4     | 97.7             | 97.8<br>98.3     | 97.8<br>98.3 | 97,8<br>98.3        | 97.9         | 98.4              | 98.4         | 98.4             |
| ≥ 500<br>≥ 400        | 71.9             | 94.2             | 95.4<br>95.4 |              | 96.4         | 96.8         | 97.7         | 97.8<br>97.9     | 98.0<br>98.1     | 98.7<br>98.8     | 98.7         | 98.7                | 98.8         |                   | 98.9         | 98.9             |
| ≥ 300                 | 71.9             | 94.2             |              | 95.7         | 96.4         | 96.9         |              |                  | 98.2             | 99.0             | 99.3         | 99.2                | 99.4         | 99.4              | 99.4         | 99.6             |
| ≥ 100<br>≥ 0          | 71.9             | 94•2<br>94•2     | 95,4<br>95,4 | 95.7<br>95.7 | 96.4         | 96.9<br>96.9 | , , , , ,    |                  | 98 • 2<br>98 • 2 | 99.0<br>99.0     | 99.4         | 99.4                | 99.6         | 99.6              | ·            | 99.7             |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB HT/GREAT FALLS

68-77

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING                    |                      |              |                      |              |                      |                      | VIS                  | IBILITY (ST)         | ATUTE MILI           | ES)                  |                      |                            |                      |                      |                      |                                                  |
|----------------------------|----------------------|--------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|----------------------|----------------------|--------------------------------------------------|
| FEET                       | ≥10                  | ≥6           | ≥5                   | ≥ 4          | ≥ 3                  | ≥2⅓                  | ≥ 2                  | ≥1%                  | ≥1%                  | ≥1                   | ≥ 1,4                | ≥ >,                       | ≥ ′′⁄                | ≥ 5 '16              | ≥ '•                 | ≥0                                               |
| NO CEILING<br>≥ 20000      | 40 • 2<br>47 • 8     | 52.3<br>62.0 | 52.3<br>62.0         |              | 52.5<br>62.3         | 62.3                 | 52.5<br>62.3         |                      | 52.5<br>62.3         |                      | 52.5<br>62.3         | 52.5<br>62.3               | 52.5<br>62.3         |                      |                      |                                                  |
| ≥ 18000<br>≥ 16000         | 47.9                 | 62.3         | 62,3                 | 62.4         | 62.7                 | 62.7<br>62.7         | 62.7                 | 62.7                 | 62.7                 | 62.7                 | 62.7                 | 62.7                       | 62.7                 | 62.7<br>62.7         | 62.7<br>62.7         | 62.7                                             |
| ≥ 14000<br>≥ 12000         | 54.0                 | 69.5         | 69,5                 |              |                      | 69.8                 | 69.8                 | 69.8                 | 69.8                 | 69.8                 | 64.3                 | 69.8                       | 64.3<br>69.8         |                      | 64.3                 | 69.8                                             |
| ≥ 10000<br>≥ 9000          | 59.8<br>60.6<br>62.8 | 77.9         | 77.9                 | 78.0         |                      | 76.5<br>78.3         | 76.5<br>78.3         | 76.5<br>78.3         | 78.3                 | 78.3                 | 76.5<br>78.3         | 76.5                       | 76.5                 | 76.5                 | 76.5<br>78.3         |                                                  |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 64.3                 | 80.0<br>81.7 | 81.7                 | 80.2<br>81.8 |                      | 82.1                 | 80.4<br>82.1<br>84.1 | 80.4<br>82.1<br>84.1 | 80.4<br>82.1<br>84.1 | 80.4<br>82.1<br>84.1 | 80.4<br>82.1<br>84.1 | 80 • 4<br>82 • 1<br>84 • 1 | 80.4<br>82.1<br>84.1 | 80.4<br>82.1<br>84.1 | 80.4<br>82.2<br>84.2 | 80 • <del>4</del><br>82 • <del>2</del><br>84 • 2 |
| ≥ 5000<br>≥ 5000           | 66.8                 | 85.1<br>86.1 | 85.3                 | 85.5         | 85.7                 | 85.7                 | 85.7                 | 85.7                 | 85.7                 | 85.7                 | 85.7                 | 85.7                       | 85.7                 | 85.7<br>86.7         | 85.8                 | 85.8                                             |
| ≥ 4000                     | 68.3                 | 88.1         | 88.3                 | 88.5         | 88.9                 | 88.9<br>90.5         | 88.9<br>90.5         | 88.9                 | 90.5                 | 88.9                 | 88.9                 | 88.9                       | 88.9                 |                      | 89.0<br>90.9         | 89.0                                             |
| ≥ 3000                     | 70.1                 | 90.3         | 90.6                 | 90.9         | 91.2                 | 91.2                 | 91.2                 | 91.2                 | 91.2                 | 91.4                 | 91.4                 | 91.4                       | 91.4                 | 91.4                 | 91.5                 | 91.5                                             |
| ≥ 2000                     | 71.3                 | 91.9         | 92.4                 | 92.5         | 92.9                 |                      | 93.0                 | 93.0                 | 93.0<br>93.2         |                      | 93.3                 | 93.3                       | 93.3                 | 93.3                 | 93.4                 | 93.4                                             |
| ≥ 1500                     | 71.5                 | 92.4         | 92,9                 | 93.1         | 93.8                 | 94.0                 | 94.4                 | 94.4                 | 94.5                 |                      | 94.4                 | 94.9                       | 94.9                 | 94.4                 | 94.5                 | 94.5                                             |
| ≥ 1000<br>≥ 900<br>≥ 800   | 72.2                 | 93.8<br>93.8 | 93.4<br>94.2<br>94.4 | 93.6         | 95.3                 | 94.6                 | 94.8                 | 94.8                 | 95.9                 | 96.5                 | 95.7                 |                            | 7.77                 |                      | 95.8                 | 96.7                                             |
| ≥ 700<br>≥ 600             | 72.4<br>72.4<br>72.4 | 94.1         | 94.5                 | 94.6<br>94.8 | 95.5<br>95.7<br>95.7 | 95.8<br>96.0<br>96.0 | 95.9<br>96.1<br>96.2 | 95.9<br>95.1<br>96.2 | 96.3<br>96.3         | 96.8<br>97.1<br>97.4 | 97.1                 | 96.8<br>97.1<br>97.4       | 96.8<br>97.1<br>97.4 | 96.8<br>97.1<br>97.4 | 96.9<br>97.2<br>97.5 | 97.2                                             |
| ≥ 500<br>≥ 400             | 72.4                 | 94.1         | 94.6                 | 94.9         | 95.8<br>96.1         | 96.1<br>96.4         | 96.3                 | 96.3<br>96.7         | 96.7<br>97.0         | 97.5                 | 97.5                 | 97.5                       |                      | 97.5                 | 97.7                 | 97.7                                             |
| ≥ 300<br>≥ 200             | 72.5<br>72.5         | 94.5         | 95.1<br>95.1         | 95.3         | 96.2                 | 96.5<br>96.7         | 96.8<br>97.0         | 96.8                 | 97.1                 | 98.0<br>98.2         | 98.2<br>98.4         | 98.2<br>98.4               | 98.3                 | 98.3                 | 98,4                 | 98.4                                             |
| ≥ 100<br>≥ 0               | 72.5                 |              | 95.1<br>95.1         | 95.3<br>95.3 | 96.3<br>96.3         | 96.7<br>96.7         | 97.0<br>97.0         |                      | 97.3<br>97.3         | 98.2                 | 98.4                 | 98.4<br>98.4               | 98.6<br>98.6         | 72-5 CT              |                      | 99•3<br>100•0                                    |

TOTAL NUMBER OF OBSERVATIONS

89

USAF ETAC 10104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

# CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 68-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING                 | <del></del> , |                      |                      |                      |                      |                      | VISI                 | BILITY (STA          | ATUTE MILE           | (5)                  |                      |                      |                      |                  |                      |                             |
|-------------------------|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------|----------------------|-----------------------------|
| FEET                    | ≥10           | ≥6                   | ≥5                   | ≥4                   | ≥3                   | ≥21/2                | ≥2                   | ≥11/2                | ≥1¼                  | ≥1                   | ≥ 1,4                | ≥ >4                 | ≥%                   | ≥ 5.16           | د' ≦                 | ≥0                          |
| NO CEILING<br>≥ 20000   | 42.1<br>51.2  | 48.4<br>59.1         | 48.6                 | 48.6<br>59.3         | 48.7<br>59.5         | 48 · 8<br>59 · 5     | 48.8<br>59.5         | 48 · 8               | 48 · 8               | 48 • 8               | 48.9                 | 48.9<br>59.6         | 48.9                 | 48.9             | 48.9                 | 48.9                        |
| ≥ 18000<br>≥ 16000      | 51.3<br>51.5  | 59.4<br>59.5         | 59.5<br>59.6         | 59.6<br>59.7         | 59.7<br>59.8         | 59.8<br>59.9         | 59.8<br>59.9         | 59.8<br>59.9         | 59.8<br>59.9         | 59.8<br>59.9         | 59.8<br>60.0         | 59.8<br>-60.0        | 59.9<br>-60.0        | 59.9<br>_60.0    | 59.9<br>60.0         | 59.9<br>60.0                |
| ≥ 14000<br>≥ 12000      | 52.7<br>57.8  | 66.6                 | 60.9                 | 66.8                 | 61.1                 | 61.1                 | 67.0                 | 61.1<br>67.0         | 61.2                 | 61.2                 | 61.2<br>67.0         | 61.2                 | 61.2                 | 61.2             | 61.2                 | 61.3                        |
| ≥ 10000<br>≥ 9000       | 64.4          | 73,9<br>75,3         | 74.1                 | 74.2<br>75.6         | 74.3<br>75.7         | 74.4                 | 74.4                 | 74.4<br>75.5         | 74.4                 | 74.5<br>75.9         | 74.5<br>75.9         | 74.5                 | 74.5                 | 74.6<br>76.0     | 74.6<br>_76.0        | 76.0                        |
| ≥ 8000<br>≥ 7000        | 67.5<br>69.1  | 77.5                 | 77.7                 | 77.8                 | 77.9                 | 78.0<br>79.7         | 78.0<br>79.8         | 78.0<br>79.8         | 78 • 0<br>79 • 8     | 78 · 1<br>79 · 8     | 78 • 1<br>79 • 9     | 78.1<br>79.9         | 78.1<br>79.9         | 78•2<br>-80•0    | 78.2                 | 78 • 2<br><del>80 • 1</del> |
| ≥ 6000<br>≥ 5000        | 70.2          | 80.5<br>82.7         | 80.7                 | 80.8<br>83.1         | 81.0<br>83.3         | 81.0<br>83.4         | 81.1<br>83.4         | 81.1                 | 81.1                 | 81.1<br>83.5         | 81.1                 | 81•2<br>83•6         | 81.2                 | 81.3<br>83.7     | 81.3                 | 81.3                        |
| ≥ 4500<br>≥ 4000        | 72.7          | 83.7<br>85.6         | 84.0                 | 84.1<br>86.1         | 84.3                 | 86.5                 | 84.5                 | 84.5                 | 84.6                 | 84.6<br>86.7         | 84.6                 | 84.6<br>86.7         | 84.7                 | 84.7             | 84.7                 | 84.8                        |
| ≥ 3500<br>≥ 3000        | 74.9<br>75.5  | 86.5<br>87.5         | 86,9                 | 87.1<br>88.1         | 87.4                 | 87.5<br>88.6         | 87.6<br>88.7         | 87.6<br>88.8         | 87.7<br>88.9         | 87.8<br>88.9         | 87.8<br>89.0         | 87.8<br>89.0         | 87.9<br>89.1         | 87.9<br>89.1     | 87.9<br>89.1         | 88 • 0<br>89 • 2            |
| ≥ 2500<br>≥ 2000        | 75.9<br>76.2  | 88.8                 | 88.6                 | 88.8<br>89.5         | 89.3<br>90.1         | 90.3                 | 89.5<br>90.4         | 89.6<br>90.6         | 89.7<br>90.7         | 90.8                 | 90.9                 | 89.8<br>90.9         | 91.0                 | 91.0             | 89.9<br>91.0         | 91.1                        |
| ≥ 1800<br>≥ 1500        | 76.3<br>76.5  | 89.7                 | 89.6<br>90.3         | 89.8<br>90.5         | 91.2                 | 90.5                 | 90.7                 | 90.9                 | 90.9                 | 91.1                 | 91.2                 | 91.2                 | 91.3                 | 91 • 3<br>92 • 5 | 91,3<br>92.6         | 91.4                        |
| ≥ 1200<br>≥ 1000        | 76.8<br>76.9  | 90.2<br>90.7<br>91.0 | 91.4                 | 91.7                 | 91.9<br>92.6         | 92.2                 | 92.6                 | 93.8                 | 93.2<br>94.2<br>94.8 | 93.5                 | 93.6                 | 93.7                 | 93.8                 | 95.1             | 93.8<br>95.1<br>95.8 | 95.2                        |
| ≥ 900<br>≥ 800<br>≥ 700 | 77.1          | 91.0<br>91.1         | 91.8<br>91.9<br>92.0 | 92.1<br>92.2<br>92.4 | 93.1<br>93.2<br>93.4 | 93.4<br>93.6<br>93.8 | 94.0<br>94.1<br>94.3 | 94.4                 | 95.0                 | 95.4<br>95.6<br>96.0 | 95.5<br>95.7<br>96.1 | 95.8                 | 95.7<br>95.9<br>96.3 | 7.78.7           | 95.8<br>96.0<br>96.4 | 95.8<br>96.0<br>96.5        |
| ≥ 600                   | 77.2          | 91.5                 | 92.3                 | 92.7                 | 93.7                 | 94.2                 | 94.8                 | 94.8<br>95.2<br>95.6 | 95.7                 | 96.0<br>96.5<br>97.0 | 96.7                 | 96.2<br>96.8<br>97.3 | 96.9                 | 97.0             | 97.1<br>97.6         | 97.1                        |
| ≥ 500<br>≥ 400<br>≥ 300 | 77.3<br>77.3  | 91.8                 | 92.7                 | 93.0                 | 94.1                 | 94.6                 | 95.3                 | 95.8<br>96.0         | 96.3<br>96.5         | 97.2<br>97.5         | 97.5                 | 97.6                 | 97.7                 | 97.8<br>98.2     | 97.9                 | 98.0                        |
| ≥ 700                   | 77.3<br>77.3  | 91.8                 | 92.7                 | 93.1                 | 94.3                 | 94.9                 | 95.6                 | 96.2                 | 96.7                 | 97.7                 | 98.1<br>98.1         | 98.2<br>98.2         | 98.4                 | 98.5             | 98.8                 | 98.9                        |
| 2 0                     | 77.3          |                      | 92,7                 | 93.1                 | 94.3                 | 94.9                 |                      | ~ ~                  | 96.7                 | 97.7                 | 98.1                 | 98.2                 | 98.5                 | 98.6             | 99.0                 | 1. * * * * * 1              |

TOTAL NUMBER OF OBSERVATIONS

7193

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

57-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING                    |              |              |                      |              |                      |              | VIS          | BILITY (ST       | ATUTE MIL    | ES)  |              |                      |                      |                      |                      |                      |
|----------------------------|--------------|--------------|----------------------|--------------|----------------------|--------------|--------------|------------------|--------------|------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| FEET                       | ≥10          | ≥6           | ≥5                   | ≥ 4          | ≥3                   | ≥2%          | ≥2           | ≥11⁄7            | ≥11/4        | ≥1   | ≥ ⅓,         | ≥′•                  | ≥ '?                 | ≥ 5 16               | ≥ '.                 | ≥0                   |
| NO CEILING<br>≥ 20000      | 28.6<br>36.6 | 43.7<br>56.1 | 44+0<br>56+5         | 44.0<br>56.5 | 44+3<br>56.9         |              |              |                  |              |      |              | 44.5                 |                      |                      |                      | ,                    |
| ≥ 18000<br>≥ 16000         | 36.9<br>36.9 | 56.5<br>56.5 | 56.8<br>56.8         | 56.8<br>56.8 | 57.2<br>57.2         | 57.2<br>57.2 | 57.6<br>57.6 | 57.6<br>57.6     | 57.6<br>57.6 |      | 57.6<br>57.6 |                      | 58.0<br>58.0         | 58 · 1<br>58 · 1     | 58.2<br>58.2         | 58 - 4               |
| ≥ 14000<br>≥ 12000         | 37.3<br>39.9 | 56,9<br>60,0 |                      | 57.2<br>60.3 | 57.6<br>60.8         | 57.6<br>60.8 | 58.1<br>61.2 | 58 • 1<br>61 • 2 | 58.1<br>61.2 |      | 58.1<br>61.2 | 58 · 1<br>61 · 2     | 58.4<br>61.5         | 58.5<br>61.6         |                      | 58 · 8               |
| ≥ 10000<br>≥ 9000          | 48.0<br>48.6 | 69.1<br>70.0 |                      | 69.5<br>70.3 | 69.9<br>70.8         | 70.8         |              | 70.3<br>71.2     | 70.3         | 71.2 | 70.3<br>71.2 |                      | 71.5                 | 70.8                 | 70.9<br>71.7         | 71.1<br>71.9         |
| ≥ 8000<br>≥ 7000           | 50.5         | 72.3         | 72.6                 | 72.6         | 73.0<br>74.5         | 73.0<br>74.6 |              | 73.4<br>75.1     | 73,4<br>75.1 | 75.1 | 73.4<br>75.1 | 75.1                 | 75.4                 | 73.9<br>75.5         | 75.6                 |                      |
| ≥ 6000<br>≥ 5000           | 52.3<br>54.1 | 74.8         |                      | 75.2<br>78.6 | 75.8<br>79.2         | 75.9<br>79.5 |              |                  | 76.3         | 79.9 |              | 79.9                 | 80.2                 | 76.8<br>80.3         | 76.9<br>80.4         |                      |
| ≥ 4500<br>≥ 4000           | 54.7<br>55.9 | 79,6<br>81.7 | 79.9<br>82.2<br>83.0 | 79.9<br>82.2 | 80.5                 |              | 83.4         |                  | 83.8         | 83.8 | 83.8         |                      | 84.1                 | 81.6                 | 81.7                 | 81.9                 |
| ≥ 3500<br>≥ 3000           | 57.1<br>57.7 | 83.4         | 84.0<br>85.1         | 84.0         | 83.7<br>84.6<br>85.8 |              |              |                  | 86.1         | 86.1 | 86.1         |                      | 85.2                 | 85.3                 | 85,4<br>86,7         | 85.6<br>86.9         |
| ≥ 2500<br>≥ 2000<br>≥ 1800 | 57.8         | 85.2<br>85.3 | 86.1                 | 86.1         | 87.3<br>87.7         | 87.5         |              |                  | 89.0         | 89.0 | 89.0         |                      | 89.4                 | 87.7                 | 87.8                 | 88 • 1               |
| ≥ 1800<br>≥ 1500<br>≥ 1200 | 58.2         | 85.8         | 87.3                 | 87.3<br>88.6 | 88.8                 | 89.1         | 90.0         | 90.2             | 90.8         |      | 90.9         | 89.6<br>90.9<br>92.9 | 89.9<br>91.2<br>93.2 | 90.0<br>91.3<br>93.3 | 90.1<br>91.5<br>93.5 | 90.3                 |
| ≥ 1000                     | 58.5         | 86.8         | 89,0                 | 89.2         | 91.1                 | 91.5         |              | 93.0             |              |      | 94.1         | 94.1                 | 94.4                 | 94.5                 | 94.7                 | 93.8<br>94.9<br>95.2 |
| ≥ 800<br>≥ 700             | 58.5         | 86.9<br>87.2 | 89.6                 | 89.4         | 91.3                 | 91.7         | 92.6         | 93.3             | 93.9         | 94.2 | 94.4         | 94.7                 | 95.3                 | 95.4                 | 95.6<br>96.6         | 95.8                 |
| ≥ 600                      | 58.5         | 87.3<br>88.0 | 89.7                 | 90.1         | 92.7                 |              | 93.3         | 94.5             | 95.2         | 95.5 | 95.8         | 96.1                 | 96.8                 | 96.9                 | 97.1                 | 97.5                 |
| ≥ 400<br>≥ 300             | 59.0<br>59.0 | 88.0         | 90.3                 | 90.8         | 92.7                 |              | 94.1         | 95.5<br>95.5     | 96.1         | 96.5 | 96.9         | 97.2                 | 97.8                 | 98.0<br>98.1         |                      | 98.6<br>98.8         |
| ≥ 200<br>≥ 100             | 59.0<br>59.0 | 88.1         | 90.4                 |              | 92.8<br>92.8         | 93.2         | 94.2         |                  | 96.5         |      |              | 97.7                 |                      | 98.8                 | 99.0                 |                      |
| ≥ 0                        | 59.0         | 88.1         | 90.4                 | 90.9         | 92.8                 |              |              | 95.6             | 1            |      | 97.5         |                      | 98.8                 |                      |                      |                      |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 108 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 67-76

-OFC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0.300-0500

| CEILING                    |                      |                      |                      |              |                      |                      | VIS                  | BILITY (STA          | ATUTE MILI           | ES)                  |                      |                            |                      |                      |                      |                      |
|----------------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|
| FEET                       | ≥10                  | ≥6                   | ≥5                   | ≥ 4          | ≥3                   | ≥2⅓                  | ≥2                   | ≥1%                  | ≥1%                  | ≥1                   | ≥ ¾                  | ≥'•                        | ≥15                  | ≥5/16                | ≥ •                  | ≥0                   |
| NO CFILING<br>≥ 20000      | 32.2                 | 47.2<br>59.7         | 47.5<br>60.1         | 47.5<br>60.1 | 47.6<br>60.2         | 47.6<br>60.2         | 48.0<br>60.5         | 48.0<br>60%5         | 48.0<br>60.5         | 48.0<br>60.5         | 48.0<br>60.5         | 48.d                       | 48.0<br>60.5         | 48 • 1<br>60 • 6     | 48.1<br>-60.6        | 48 • 1<br>60 • 6     |
| ≥ 18000<br>≥ 16000         | 39.2<br>39.4         | 59.7<br>59.8         | 60.1<br>60.2         |              |                      | 60.2                 | 60.5                 | 60.5<br>60.6         | 60.5<br>60.6         | 60.5<br>60.6         | 60 • 5<br>60 • 6     | 60 • 5<br>60 • 6           | 60.5                 | 60.6                 | 60.8                 | 60.8                 |
| ≥ 14000<br>≥ 12000         | 39.7<br>42.0         | 60.1                 |                      | 63.0         | 60.6                 | 60.6                 | 61.0                 | 61.0<br>63.4         | 63.4                 | 61.0                 | 61.0                 | 61.0                       | 61.0                 | 61.1                 | 61:1                 | 61.1                 |
| ≥ 10000<br>≥ 9000          | 50.0<br>50.3         | 71.6                 | 71.4<br>72.0         |              | 71.5<br>72.2         | 71.5                 | 71.8                 | 71.8                 | 71.8                 | 71.8                 | 71.8                 | 71.8                       | 71.8                 | 72.6                 | 72.6                 | 71.9                 |
| ≥ 8000<br>≥ 7000           | 52.2<br>52.5         | 73.5<br>74.8<br>76.1 | 74.0<br>75.5<br>76.9 |              | 74.1<br>75.7<br>77.1 | 74.1<br>75.8<br>77.2 | 74.4<br>76.1<br>77.5 | 74.4<br>76.1<br>77.5 | 74.4<br>76.1<br>77.5 | 74.4<br>76.1         | 74.4<br>76.1<br>77.5 | 74 • 4<br>76 • 1<br>77 • 5 | 74.4<br>76.1<br>77.5 | 74.5<br>76.2<br>77.6 | 74.5<br>76.2<br>77.6 | 74.5<br>76.2<br>77.6 |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 54.9                 | 78.5                 | 79.4                 | 79.4         | 80.0                 | 80.1                 | 80.4                 | 80.4                 | 80.4<br>81.0         | 80.4                 | 80.4                 | 80.4                       | 80.4                 | 80.5                 | 80.5                 |                      |
| ≥ 4000<br>≥ 3500           | 56.8                 | 81.0                 | 81.8                 | 81.8         | 82.5                 | 82.6                 | 82.9                 | 82.9                 |                      | 83.0<br>84.          |                      | 83.0                       |                      | 83.1                 | 83.1                 | 83.1                 |
| ≥ 3000<br>≥ 2500           | 57.6<br>57.7         | 82.7                 | 83.7                 | 83.7         | 84.3                 | 84.5                 | 84.9                 | 85.2                 | 85.5                 | 85.9<br>86.3         | 85.5                 | 85.5                       | 85.5                 | 85.6                 | 1                    | 85.6<br>86.5         |
| ≥ 2000                     | 58.1<br>58.2         | 84.4                 | 85.5                 |              | 86.7                 | 86.9                 | 87.6                 |                      | 88.2                 | 88.2                 | 88.2                 | 88.2<br>88.6               | 88.6                 | 88.7                 | 88.7                 | 88•3<br>88•7         |
| ≥ 1500                     | 58.4<br>58.6         |                      | 86,7                 |              |                      | 89.1                 | 90.4                 | 89.8<br>90.6         |                      | 90.3                 | 90.4                 | 90.4                       | 90.4                 | 91.5                 | 90.5                 |                      |
| ≥ 1000                     | 58.8                 |                      |                      | 88.0         | 89.7                 | 90.0                 |                      | 91.5<br>91.8         | 92.3                 | 92.6                 | 92.9                 |                            | 93.4                 | 93.0                 | 93.5                 | 93.5                 |
| ≥ 800<br>≥ 700<br>≥ 600    | 58.9                 | 86.2                 | 88.4                 | 89.0         | T                    | 91.1                 | 92.8                 | 1 7 7 7 7            |                      | 94.                  | 94.2                 | 95.2                       | 94.6                 | 1                    | 95.4                 | 94.5                 |
| ≥ 500<br>≥ 400             | 59.2<br>59.5<br>59.5 | 86.7<br>86.9<br>86.9 |                      | 89.6         | 91.3                 | 91.6                 |                      |                      | 94.4<br>95.1         | 95.2<br>96.1<br>96.1 | 95.7<br>96.7         | 96.8                       |                      | 96.2                 | 96.2<br>97.2         | 97.2                 |
| ≥ 300<br>≥ 200             | 59.5                 | 86.9                 | 88.9                 | 89.6         | 91.6                 | 91.9                 | 94.0                 | 94.7                 | 95.5                 | 96.6                 |                      | 97.5                       |                      |                      | 98.0                 |                      |
| ≥ 100<br>≥ 0               | 59.5                 | 86.9                 | 88.9                 |              | 91.8                 |                      |                      | 94.9                 | 95.9                 |                      | 98.0                 | 98.1                       | 98.6                 |                      | 1                    |                      |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

67-76

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING                    |                      |                      |                      |                      |                      |                      | VIS                  | BILITY (STA          | ATUTE MILE           | ES)                  |                      |                      |                      |                      |                      |              |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|
| FEET                       | ≥10                  | ≥6                   | ≥5                   | ≥4                   | ≥3                   | ≥2⅓                  | ≥2                   | ≥1%                  | ≥1¼                  | ≥1                   | ≥ ¼                  | ≥₹                   | ≥ ⅓                  | ≥5 16                | ≥ '₁                 | ≥0           |
| NO CEILING<br>≥ 20000      | 35.3                 | 43.3<br>55.5         |                      |                      | 43.8<br>56.3         | 43.8<br>56.3         | 43.8<br>56.3         | 1                    | 56.3                 | 43.8<br>56.3         | 56.3                 | 56.3                 | 56.7                 |                      |                      | 56.8         |
| ≥ 18000<br>≥ 16000         | 44.2                 | 55.6<br>55.6         | 55.9                 | 55.9<br>55.9         | 56.5<br>56.5         | 56.8                 | 56.8                 | 56.9<br>56.9         | 56.9         |
| ≥ 14000<br>≥ 12000         | 47.7                 | 50.0<br>59.6         | 59,9                 | 56.3<br>59.9         | 56.9<br>60.4         | 56.9                 | 56.9                 | 56.9                 | 56.9<br>60.4         |                      | 60.4                 | 60.4                 | 60.8                 | 60.8                 |                      | 60.9         |
| ≥ 10000<br>≥ 9000          | 56.6<br>56.1         | 69.1<br>69.6         |                      | 69.5                 | 70.0                 | 70.4                 | 70.4                 | 70 • 1<br>70 • 5     | 70.1<br>70.5         |                      | 70.1<br>70.5         | 70 • 3<br>70 • 5     |                      | 70.9                 | 70.5<br>71.0         | 71.0         |
| ≥ 8000<br>≥ 7000           | 58.6                 | 72.6                 | 73.2                 | 73.2                 | 72.2<br>73.8<br>74.9 | 72.2<br>73.8<br>74.9 | 72.2<br>73.8<br>74.9 | 72.3<br>73.9<br>75.1 | 72.3<br>73.9<br>75.1 | 72.3<br>73.9<br>75.1 | 72.3<br>73.9<br>75.1 | 72.3<br>73.9<br>75.1 | 72.6<br>74.2<br>75.4 | 72.6<br>74.2<br>75.4 | 72,7<br>74.3<br>75.5 |              |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 61.2                 | 76.3                 | 77.2<br>78.2         | 77.3<br>78.3         | 78.0<br>78.9         | 78.0<br>78.9         | 78.0<br>78.9         | 78.1                 | 78.1<br>79.0         | 78 · 1<br>79 · 0     | 78.1<br>79.0         | 78.1                 | 78.4                 | 78.4<br>79.4         | 78.5<br>79.5         | 78.5         |
| ≥ 4000<br>≥ 4000<br>≥ 3500 | 63.4                 | 79.2                 | 80.1                 | 80.2                 | 81.0                 | 81.1                 | 81.1                 | 81.2                 | 81.2                 | 81.2                 | 81.2                 | 81.2                 | 81.5                 | 81.5                 | 81.6                 | 81.6         |
| ≥ 3000                     | 64.2                 | 81.4                 | 82.3                 | 82.4                 | 83.4                 | 83.9                 | 84.0                 | 84.1<br>85.6         | 84.1<br>85.6         | 84.1                 | 84.1                 | 85.6                 | 84.4                 | 84.4                 | 84.5                 | 84.5         |
| ≥ 2000                     | 64.7                 | 83.5<br>83.9         | 84.5<br>84.8         | 84.6                 | 85.9                 | 86.3                 | 86.6                 | 86.7                 | 86.7                 | 86.7                 | 86.7                 | 86.7<br>87.3         | 87.0<br>87.6         |                      |                      | 87.1<br>87.7 |
| ≥ 1500<br>≥ 1200           | 65.7<br>66.0         | 84.8                 | 85.8                 | 85.9                 | 87.5<br>89.0         | 88.0                 | 90.1                 | 90.6                 | 90.8                 | 90.9                 | 91.0                 | 88.9<br>91.0         | 89.2<br>91.3         |                      | 89.4<br>91.4         | 91.4         |
| ≥ 1000                     | 66.2                 | 86.2                 | 87.4                 | 87.5<br>87.5         | 89.7                 | 90.1                 | 90.8                 | 91.4                 | 91.5                 | 92.4                 | 92.7                 | 92.5                 | 92.8                 | 93.1                 | 93.0                 | 93.2         |
| ≥ 800<br>≥ 700<br>≥ 600    | 66.5<br>66.6<br>66.7 | 86.6<br>86.9<br>87.1 | 87.6<br>88.4<br>88.7 | 88.0<br>88.7<br>89.0 | 90.1<br>90.9<br>91.2 | 90.5<br>91.3<br>91.7 | 91.2<br>92.2<br>92.6 |                      | 92.9                 | 94.4                 | 94.9                 | 93.2                 | 93.5                 |                      | 93.8<br>95.8<br>96.8 | 95.8         |
| ≥ 500<br>≥ 400             | 66.7                 | 87.3<br>87.4         | 88.9                 | 89,0<br>89.2<br>89.4 | 91.4                 | 91.9                 | 92.6<br>92.8<br>92.9 |                      | 93.3<br>93.8<br>93.9 | L 37 7 2             | 95.6<br>96.6<br>96.8 | 96.0<br>97.0<br>97.2 | 96.5<br>97.4<br>97.7 | 96.6<br>97.5         |                      |              |
| ≥ 300<br>≥ 200             | 66.8                 | 87.4<br>87.5         | 89.0                 | 89.4<br>89.5         | 91.6                 | 92.2                 | 93.0                 |                      | 94.0<br>94.1         |                      | 97.0                 | 97.4                 | 98.0<br>98.5         | 98.1<br>98.7         | 98.4<br>99.0         | 98.5         |
| ≥ 100<br>≥ 0               | 66.8                 | 87.5<br>87.5         | 89.2<br>89.2         | 89.6<br>89.6         | 91.8<br>91.8         | 92.4<br>92.4         | 93.2<br>93.2         | 94.1<br>94.1         | 94.3<br>94.3         | 96.5<br>96.5         | 97.5                 | 98.1<br>98.1         | 98.8<br>98.8         | 1 1 7 7              | 99.6                 |              |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILIT

24112

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MALMSTRUM AFB MT/GREAT FALLS

67-76

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-0<u>900-1</u>1

| CEILING                    |                      |                      |                      |              |                      |              | VISI                 | BILITY (STA          | TUTE MILE            | :\$1         | •                    |                      |                      |                      |                      | j         |
|----------------------------|----------------------|----------------------|----------------------|--------------|----------------------|--------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------|
| FEET                       | ≥10                  | ≥6                   | ≥5                   | ≥4           | ≥3                   | ≥2יל         | ≥ 2                  | ≥175                 | ≥1½                  | ≥1           | ≥14                  | ≥'•                  | ≥ '5                 | ≥5/16                | ≥ ′•                 | ≥ (,      |
| NO CEILING<br>≥ 20000      | 36.8<br>48.9         | 37.7<br>50.0         | 37.8<br>50.2         | 37.8<br>50.2 | 30.2<br>50.5         | 38.3<br>50.6 | 38•3<br>50•8         | 38.3<br>50.8         | 38.4<br>50.9         | 38.6<br>51.1 | 38.6<br>51.1         | 38.6<br>51.1         | _51.3                | 38.8<br>51.3         | 38.8<br>51.3         | 51        |
| ≥ 18000<br>≥ 16000         | 49.2                 | 50.3<br>50.4         | 50.5<br>50.6         |              | 50.9                 | 51.0<br>51.1 | 51.1<br>51.2         | 51.1<br>51.2         | 51.2<br>51.3         | 51.4<br>51.5 | 51.4<br>51.5         | 51.4<br>51.5         | 51.6<br>51.7         | 51.6<br>51.7         | 51.6<br>51.7         | 51<br>51  |
| ≥ 14000<br>≥ 12000         | 50.4<br>56.6         | 51.5<br>57.6         | 51.7<br>57.8         |              | 52.0<br>58.2         | 52.2<br>58.3 | 52.3<br>58.4         | 52.3<br>58.4         | 52.4<br>58.5         | 52.6<br>58.7 | 52.6<br>58.7         | 52.6<br><u>58.7</u>  | 52.8<br>58.9         | 52.8<br>_58.9        | 52.8<br>58.9         | -30       |
| ≥ 10000<br>≥ 9000          | 68.0<br>69.4         | 70.6                 | 69.5<br>70.9         | 70.9         | 69.8<br>71.2         | 69.9<br>71.3 | 70.0<br>71.4         | 70.0<br>71.4         | 70 • 1<br>71 • 5     | 70.3         | 70.3                 | 70•3                 | 70.5                 | 70.5                 | 70.5                 | 7a<br>71  |
| ≥ 8000<br>≥ 7000           | 73.3<br>74.3         | 74.7                 | 74.9<br>76.7         | 75.1<br>76.8 | 75.5                 | 75.6<br>77.5 | 75.7<br>77.7         | 75.7<br>77.7         | 75.8<br>77.8         | 76.0<br>78.1 | 76.0<br>78.1         | 76.0<br>78.1         | 76.2<br>78.3         | 76.2<br>78.2         | 76.2<br>78.3<br>79.9 | 76<br>-78 |
| ≥ 6000<br>≥ 5000           | 75.7                 | 78.0<br>80.3         | 78 • 2<br>80 • 5     | 80.6         | 78.9<br>81.5         | 79.0<br>81.6 | 79.4<br>82.0         | 79.4<br>82.0         | 79.5<br>82.2         | 82.4         | 79.7<br>82.4         | 79.7<br>82.4<br>83.0 | 79.9<br>82.6<br>83.2 | 79.9<br>82.7<br>83.3 | 82.7<br>83.3         | 82        |
| ≥ 4560<br>≥ 4000<br>≥ 3500 | 77.6<br>78.9         | 80.8<br>82.7<br>82.9 | 81.1<br>83.1<br>83.3 | 81.2<br>83.3 | 82.0<br>84.2<br>84.5 | 82.2<br>84.3 | 82.7<br>84.9<br>85.4 | 82.7<br>84.9<br>85.4 | 82.8<br>85.1<br>85.6 | 85.3         | 83.0<br>85.3<br>85.8 | 85.4<br>85.9         | 85.6<br>86.1         | 85.7<br>86.2         | 85.7<br>86.2         | 85<br>86  |
| ≥ 3500<br>≥ 3000<br>≥ 2500 | 79.2                 | 83.8                 | 84.4                 | 84.6         | 85.8                 | 86.0         |                      | 86.8<br>88.5         |                      | 87.2         | 87.2<br>89.0         | 87.3<br>89.1         | 87.5                 | 87.4                 | 87.6                 | 87        |
| ≥ 2000<br>≥ 1800           | 79.7<br>79.9         | 84.6                 |                      | 85.7         | 87.3<br>87.8         | 87.5<br>88.1 | 88.5<br>89.1         |                      | 89.5<br>90.1         |              | 89.8                 | 89.9<br>90.5         |                      | 90.2                 | 90.2                 | 90        |
| ≥ 1500                     | 80 • 1               | 85.5                 |                      | 86.9         | 88.5                 |              | 90.2                 | 91.1                 | 91.5                 | 91.8         | 91.8<br>92.5         | 92.2                 | 92.4                 | 92.5<br>93.1         | 92.5                 | 92        |
| ≥ 1000                     | 80 · 1               | 86.2                 | 87.3                 | 87.6         |                      | 89.7         | 91.2                 | 92.4                 | 93.0                 |              | 93.8                 | 94.1                 | 94.5                 | 94.6                 | 94.4                 | 94        |
| ≥ 800                      | 80.2                 |                      | 87.7                 | 88.4         | 89.8<br>90.4         | 90.2<br>90.9 | 91.7                 | 93.0                 | 93.8<br>94.4         | 96.3         | 94.6                 | 96.2                 | 95.2                 | 95.3                 |                      | 95        |
| ≥ 500                      | 80.2<br>80.2         | 37.0                 | 88.1                 | 88.6         |                      | 91.0<br>91.4 | 92.6                 | 94.4                 | 95.6                 | 96.5<br>7.1  | 97.0                 | 98.3                 | 97.5                 | 97.6                 | 98.6                 | 97<br>98  |
| ≥ 400<br>≥ 300<br>≥ 200    | 80.2                 | -87.0                | 88.2                 |              | 90.8                 | 91.5         |                      | 94.7                 | 95.6                 |              | 97.8<br>98.2         | 98.7<br>98.7         | 99.1                 | 99.4                 | 98.4                 | 99        |
| ≥ 100<br>≥ 0               | 80.2<br>80.2<br>80.2 | 87.0                 | 88.2                 | 88.7         | 90.8<br>90.8<br>90.8 | _            |                      | 94.7<br>94.7         | 95.9<br>95.9<br>95.9 | 97.4         | 98.2<br>98.2         | 98.8                 |                      | 99.7                 |                      |           |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

# CEILING VERSUS VISIBILITY

24112

MALMSTRUM AFB MT/GREAT FALLS

67-76

-DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>-0800-1100</del>

| CEILING                    |                      |                      |                      | ·                    |              |                      | VISI                 | BILITY (STA          | TUTE MILE            | E\$1         |              |                  |                           |                            |                      |              |
|----------------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|------------------|---------------------------|----------------------------|----------------------|--------------|
| FEET                       | ≥10                  | ≥6                   | ≥5                   | ≥4                   | ≥3           | ≥2½                  | ≥2                   | ≥1%                  | ≥1¼                  | ≥1           | ≥ 1,,        | ≥,,              | ≥'ל                       | ≥ 5-16                     | ≥,•                  | ≥0           |
| NO CEILING<br>≥ 20000      | 36.8<br>48.9         | 37.7<br>50.0         | 37.8<br>50.2         | 37.8<br>50.2         | 38.2<br>50.5 | 38.3<br>50.6         | 38•3<br>50•8         | 38.3<br>50.8         | 38.4<br>50.9         | 38.6<br>51.1 | 38.6<br>51.1 | 38.6<br>51.1     | 38.8<br>51.3              | 38.8<br>51.3               | 38.8<br>51.3         | 51.3         |
| ≥ 18000<br>≥ 16000         | 49.2<br>49.4         | 50.3<br>50.4         | 50.5<br>50.6         | 50.5<br>50.6         | 50.9<br>51.0 | 51.0<br>51.1         | 51.1<br>51.2         | 51.1<br>51.2         | 51.2<br>51.3         | 51.4<br>51.5 | 51.4<br>51.5 | 51.4<br>51.5     | 51.6<br>-51.7             | 51.6<br>51.7               | 51.6                 | 51.7         |
| ≥ 14000<br>≥ 12000         | 50.4<br>56.6         | 51.5<br>57.6         | 51.7<br>57.8         |                      | 52.0<br>58.2 | 52.2<br>58.3         | 52.3<br>58.4         | 52.3<br>58.4         | 52.4<br>58.5         | 52.6<br>58.7 | 52.6<br>58.7 | 52 • 4<br>58 • 7 | 52.8<br>58.9              | 52.8<br>_58.9              | 52.8<br>58.9         | 58.9         |
| ≥ 10000<br>≥ 9000          | 68.0<br>69.4         | 69.2<br>70.6         | 69.5<br>70.9         | 69.5<br>70.9         | 69.8         | 59.9<br>71.3         | 70.0<br>71.4         | 70.0<br>71.4         | 70 · 1<br>71 · 5     | 70.3<br>71.7 | 70.3<br>71.7 | 70 • 3<br>71 • 7 | 70.5                      | 70.5<br>71.9               | 70.5                 | 71.9         |
| ≥ 8000<br>≥ 7000           | 73.3                 | 74.7<br>76.5         |                      | 75.1<br>76.8         |              | 75.6<br>77.5         | 75.7<br>77.7         | 75.7                 | 75.8<br><u>77.8</u>  | 76.0<br>78.1 | 76.0<br>78.1 | 76.0<br>78.1     | 76.2<br>_ <del>78.3</del> | 78.2                       | 78.3                 | 78.3         |
| ≥ 6000<br>≥ 5000           | 75.7                 | 78.0<br>80.3         | 80.5                 |                      | 78.9<br>81.5 | 79.0<br>81.6         | 79.4<br>82.0         | 79.4<br>82.0         | 79.5<br>82.2         | 79.7<br>82.4 | 79.7         | 79.7             | 82.6                      | 79.9<br>82.7               | 79.9<br>82.7         | 79.9<br>82.7 |
| ≥ 4500<br>≥ 4000           | 77.6<br>78.9         |                      | 83.1                 | 81.2                 | 84.2         | 82 • 2<br>84 • 3     | 82.7                 | 82.7<br>84.9         | 82.8                 | 83.0<br>85.3 | 85.3         | 83.0<br>85.4     | 83.2<br>85.6              | 85.7                       | 83,3<br>85.7         | 85.7         |
| ≥ 3500<br>≥ 3000           | 79.1<br>79.2<br>79.7 | 82.9<br>83.8         | 83.3<br>84.4<br>85.3 | 83.5<br>84.6<br>85.5 |              | 84.6<br>86.0<br>87.2 | 85.4<br>86.8<br>88.1 | 85.4                 | 85.6<br>87.0<br>88.8 | 87.2         | 87.2         | 87.3             | 86.1<br>87.5              | 86 • 2<br>87 • 6<br>89 • 5 | 86.2<br>87.6<br>89.5 | 87.6         |
| ≥ 2500<br>≥ 2000           | 79.7                 | 84.5<br>84.6<br>85.1 |                      |                      | 87.3         |                      | 88.5                 | 88.5<br>89.0<br>89.7 | 89.5<br>90.1         | 89.8         |              |                  | 90.1                      | 90.2                       | 90.2                 | 90-2         |
| ≥ 1800<br>≥ 1500<br>≥ 1200 | 80.1                 | 85.5<br>85.7         |                      | 86.9                 |              |                      | 90.2                 | 91.1                 | 91.5                 | 91.0         | 91.8         | 92.2             | 92.4                      | 92.5                       | 92.5                 | 92.5         |
| ≥ 1000                     | 80.1                 | 86.2                 | 87.3                 | 87.6                 | 89.2         |                      | 91.2                 | 92.4                 | 93.0                 | 93.5         | 93.8         | 94.1             | 94.3                      | 94.4                       | 94.4                 | 94.4         |
| ≥ 800<br>≥ /0C             | 80.2                 | 86.7                 | 87.7                 | 88.1                 | 89.8         | 90.2                 | 91.7                 | 93.0                 | 93.8                 | 95.5         | 94.6         | 94.9             | 95.2                      | 95.3                       | 95.3                 | 95.3         |
| ≥ 600                      | 80.2                 | 86.9                 | 88.0                 | 1 - 7 '              | 90.5         | 91.0                 |                      | 94.0                 | 95.6                 | 96.5         | 97.0         | 97.3             | 97.5                      | 97.6                       | 97.6                 | 97.6         |
| ≥ 400                      | 80.2                 | 87.0                 | 88.1                 | 88.0                 | 90.6         | 91.4                 | 93.0                 |                      | 95.6                 | 97.1         | 97.8         | 98.7             | 99.1                      | 98.8                       | 98.8                 | 98.8         |
| ≥ 200<br>≥ 100             | 80.2                 |                      |                      | 88.7                 | 90.8         | 91.5                 | 93.2                 | 94.7                 | 95.9<br>95.9         | 97.4         | 98.2         |                  | 99.2                      | -22-                       |                      | 1 :          |
| ≥ 0                        | 80.2                 | 87.0                 | 88.2                 | 88.7                 |              |                      |                      | 94.7                 | 95.9                 | <u> 77.4</u> | 28.2         | 98.8             | 99.7                      | 99.7                       | 99.7                 | 100-0        |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC Juli 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

## CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

67-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING                    |                      |                      | - 14                 |                      |              |                      | VIS          | BILITY (ST   | ATUTE MILI           | ES)          |       |                      |              |       |                      |              |
|----------------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|--------------|--------------|----------------------|--------------|-------|----------------------|--------------|-------|----------------------|--------------|
| ?EE1                       | ≥10                  | ≥6                   | ≥5                   | ≥ 4                  | ≥3           | ≥2%                  | ≥2           | 21%          | ≥1½                  | ≥1           | ≥ 1,4 | ≥,•                  | ≥ '%         | ≥5 16 | ≥ '.                 | ≥0           |
| NO CEILING<br>≥ 20000      | 41.9<br>51.8         | 42.3<br>52.5         | 42.7<br>53.0         |                      | 42.7<br>53.1 | 42.7<br>53.1         | 42.7<br>53.1 | 42.7<br>53.2 | 42.7<br>53.2         |              |       |                      |              |       | 42.8                 | 42.8<br>53.3 |
| ≥ 18000<br>≥ 16000         | 51.8<br>51.8         | 52.5<br>52.5         | 53.0<br>53.0         |                      | 53.1<br>53.1 | 53.1<br>53.1         | 53.1<br>53.1 | 53.2<br>53.2 | 53.2<br>53.2         | 53.3<br>53.3 |       | 53.3<br>53.3         |              |       | 53.3<br>53.3         | 53.3         |
| ≥ 14000<br>≥ 12000         | 52.0<br>57.4         | 58.1                 | 53.2<br>58.6         | 53.3<br>58.7         | 53.3<br>58.7 | 53,3<br>58,7         | 53.3<br>58.7 | 53•4<br>58•8 | 53.4<br>58.8         |              | 58.9  | 53.5<br>58.9         |              |       | 53.5<br>58.9         | 53.5         |
| ≥ 10000<br>≥ 9000          | 70.9                 | 70.4                 | 72.7                 | 72.8                 | 71.2         | 71.2<br>72.8         |              |              |                      | 73.0         | 73.0  | 71.4                 | 73.0         | 73.0  |                      | 73.0         |
| ≥ 8000<br>≥ 7000           | 74.6<br>75.9<br>77.8 | 75.8<br>77.4<br>79.6 | 76.5<br>78.1<br>80.2 | 76.6<br>78.2<br>80.3 | 76.6<br>78.4 | 76.6<br>78.5         |              | 78.7         | 76.7<br>78.7         | 76.8         | 78.8  | 78.8                 | 78.8         | 78.8  | 78.8                 | 76.8<br>78.8 |
| ≤ 5000<br>≥ 5000           | 79.2                 | 81.3                 | 81.9                 | 82.0                 |              | 80.6<br>82.4<br>83.3 | 82.7         | 83.0         | 83.0                 | 83.1         | 83.1  | 83.1                 | 83.1         | 83.1  | 83,1                 | 83.1         |
| ≥ 4500<br>≥ 4000<br>≥ 3500 | 81.2                 | 84.2                 | 85.1                 | 85.3<br>85.6         | 86.0         |                      | 86.8         |              | 84.0<br>87.4<br>87.8 | 87.5         |       | 84.1                 | 87.7         | 87.7  |                      | 87.7         |
| ≥ 3000<br>≥ 2500           | 81.8                 | 85.1                 | 85.9                 | 86.1                 | 87·1         | 87.3                 | 87.8         | 88.3         | 88.6                 | 88.7         | 88.7  | 88.2<br>88.9<br>89.8 | 58.9         | 88.9  |                      | 88.9         |
| ≥ 2000<br>≥ 1800           | 82:3                 | 85.9<br>86.1         | 87.1<br>87.3         | 87.5<br>87.7         | 88.6         |                      | 89.4         | 89.9         |                      | 90.5         | 90.5  | 90.8                 |              | 90.8  | 90.8                 | 90.8         |
| ≥ 1500                     | 82.3                 | 86.5                 | 87.7<br>87.8         | 88.2<br>88.3         | 89 . B       |                      | 90.5         | 91.3         |                      | 92.2         | 92.2  | 92.4                 |              | 92.4  | 91.1<br>92.4<br>93.1 | 92.4         |
| ≥ 1000                     | 82.4                 | 86.7<br>86.8         | 88.2                 | 88.7                 | 90.5         | 90.8                 |              | 92.8         | 93.8                 | 94.4         | 94.5  | 94.7                 | 94.9         | 94.9  | 94.9                 | 94.9         |
| ≥ 800<br>≥ /00             | 82.5                 | 87.1<br>87.3         | 88.9                 | 89.0<br>89.4         |              | 91.6                 | 92.3         | 93.8         | 94.9                 | 95.6         | 95.7  | 95.9                 |              | 96.1  | 96.1                 |              |
| ≥ 600<br>≥ 500             | 82.6                 | 87.4                 | 89.0                 | 89.5<br>89.6         |              | 91.8                 | 93.0         | 94.8         | 96.2                 | 97.2         | 97.4  | 97.6                 | 98.0         |       | 98.0                 | 98.0         |
| ≥ 400<br>≥ 300             | 82.7                 | 87.5<br>87.5         | 89,                  | 89.6                 | 91.6         | 91.8                 | 93.1         | 94.9         | 96.5                 | 97+3         |       | 98.2                 | 98.7<br>98.8 | 98.8  | 98.8                 | 98.8         |
| ≥ 260<br>≥ 100<br>≥ 0      | 82.7                 |                      |                      | 89.6                 |              | 91.8                 |              | 95.1         | 96.6                 | 97.5         | 98.3  |                      | 99.1         | 99.6  | 99.7                 | 99.7         |
| ≥ 0                        | 82.7                 | 87.5                 | 89,1                 | 89.6                 | 91.6         | 91.8                 | 53.2         | 95.1         | 96.6                 | 97.6         | 98.3  | 98.5                 | 99.1         | 99.6  | 99.7                 | 100-0        |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

## CEILING VERSUS VISIBILITY

24112

MALMSTROM AFB MT/GREAT FALLS

67-76

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>-1500-1700</del>

|                   |       |              |              |              |        | <del></del>  | VIS          | IBILITY (STA | TUTE MILE    | ES)  |      | ·            | ···-·-    |        |       |       |
|-------------------|-------|--------------|--------------|--------------|--------|--------------|--------------|--------------|--------------|------|------|--------------|-----------|--------|-------|-------|
| CEILING           |       |              |              |              |        |              |              |              |              |      |      |              |           |        | т т   |       |
| FEET              | ≥10   | ≥6           | ≥5           | ≥4           | ≥3     | ≥2%          | ≥2           | ≥1%          | ≥1¼          | ≥1   | ≥ 34 | ≥ %          | ≥%        | ≥ 5/16 | ≥'•   | ≥0    |
| NO CEILING        | 39.9  | 41.0         | 41.3         | 41.3         | 41.6   | 41.6         | 41.6         | 41.6         | 41.6         | 41.6 | 41.6 | 41.6         | 41.6      | 41.6   | 41.6  | 41.6  |
| ≥ 20000           | 51:08 | 53.1         | 53.5         | 53,5         | 53.8   | 53.8         |              |              | 53.8         | 53.8 | 53.8 | 53.8         |           | 53.8   | 53.8  |       |
| ≥ 18000           | 52.0  | 53.3         | 53.7         | 53.7         | 54.0   | 54.d         | 54.0         | 54.Q         | 54.d         | 54.d | 54.d | 54.d         | 54.0      | 54.0   | 54.q  | 54.0  |
| ≥ 16000           | 52.1  | 53,4         | 53.8         | 5: 1         | 54.1   | 54.1         | 54.1         | 54.1         | 54.1         | 54.1 | 54.1 | 54.1         | 54.1      | 54.1   | 54.1  | 54+1  |
| ≥ 14000           | 52.4  | 53.7         | 54.1         | 54.          | 54.5   | 54.5         | 54.5         | 54.5         | 54.5         | 54.5 | 54.5 | 54.5         | 54.5      | 54.5   | 54.5  | 54.5  |
| ≥ 12000           | 59.2  | 60.6         | 61.0         | 61.0         | 61.4   | 61.4         | 61.4         | 51.4         | 61.4         | 61.4 | 61.4 | 61.4         | 61.4      | 61.4   | 61.4  | -61+4 |
| ≥ 10000<br>≥ 9000 | 68.8  | 70.7         | 71.3         | 71.3         | 71.6   | 71,6         |              | 71.6         | 71.6         | 71.6 | 71.6 | 71.6         |           |        | , ,   | 71.6  |
|                   | 69.8  | 72.0         | 72,6         |              | 72.9   | 72.9         |              |              | 72.9         | 72.9 |      | 72.9         |           | 72.9   |       | 1.5.4 |
| ≥ 8000<br>≥ 7000  | 74.7  | 77.2         | 77.7         | 77.7         | 78 · q | 78.0         |              |              | 78 · q       | 78.0 | 78.0 | 78.0         |           |        | 1 - 1 | 78.0  |
|                   | 75.8  | 78.5         | 79.0         | 79.0         | 79.4   | 79.4         |              |              | 79.5         | 79.5 | 79.5 | 79.5         | 79.5      | 79.5   | 79.5  | 79.5  |
| ≥ 6000<br>≥ 5000  | 77.6  | 80.3         | 80.8         |              | 81.3   | 81.3         |              |              | 81.4         | 81.5 | 81.5 | 81.5         | 81.5      | 81.5   | 81.5  | 81.5  |
|                   | 79.8  | 82.6         | 83,3         | 83.3         | 84.1   | 84.2         | 84.3         | 84.3         | 84.3         | 84.4 | 24.4 | _84.4        | 84.4      | -84+4  | 84.4  | 84-4  |
| ≥ 4500<br>≥ 4000  | 80.1  | 83.0<br>85.3 | 83.7<br>86.1 | 83.7<br>86.2 | 84.5   | 84.6         | 84.7         | 84.7         | 84.7         | 84.8 | 84.8 | 84.8         | 84.8      | 84.8   | 84.8  | 84.8  |
| ≥ 3500            | 81.6  | 85.5         |              | 36.4         | 87.0   | 87.1<br>87.3 |              |              | 87.2<br>87.4 |      | 87.3 | 07 6         |           | 07 8   | 07 5  | 07 5  |
| ≥ 3000            | 82.1  | 86.4         | 86.3         | 87.4         | 88.3   |              | 87.4<br>88.6 | I 1          | 88.6         | 88.7 | 87.5 | 87.5<br>88.7 | 87.5      | 87.5   | 87.5  | 87.5  |
| ≥ 2500            | 82.6  | 87.0         | 87.9         | 88.1         | 89.0   |              | 89.3         |              | 89.3         | 89.5 | 89.5 | 89.5         |           |        |       | 89.5  |
| ≥ 2000            | 83.1  | 87.8         | 88.9         | 89.1         | 90.2   | 90.3         |              | 90.7         | 90.9         |      | 91.2 | 91.2         | 91.2      | 91.2   | 91.2  | 91.2  |
| ≥ 1800            | 83.1  | 87.8         |              | 89.1         | 90.2   |              |              | 90.7         | 90.9         |      | 91.2 | 91.2         | 91.2      | 91.2   | 91.2  | 91.2  |
| ≥ 1500            | 83.1  | 88.2         | 89.6         | 89.8         | 91.0   | 91.1         | 91.5         | 91.7         | 91.9         |      | 92.2 | 92.2         | 92.2      | 92.2   | 92.2  | 92.2  |
| ≥ 1200            | 83.3  | 88.5         | 90.1         | 90.3         | 91.5   |              | 92.1         | 92.4         | 92.7         | 93.0 | 93.1 | 93.1         | 93.1      | 93.1   | 93.1  | 93.1  |
| ≥ 1000            | 83.5  | 88.7         | 90.4         | 90.7         | 91.9   | '            | 92.9         |              | 94.0         | 95.0 | 1    | 95.3         | 95.5      | 95.5   | 95.5  | 95.5  |
| ≥ 900             | 83.6  | 88.8         | 90.5         | 90.9         | 92.1   | 92.4         | 93.1         | 93.9         | 94.5         | 95.6 | 96.0 | 96.0         | 96.2      | 96.2   | 96.2  | 96.2  |
| ≥ 800             | 83.7  | 88.9         | 90.6         | 91.0         | 92.2   | 92.5         | 93.2         | 94.2         | 94.9         | 96.0 | 96.6 | 96.6         | 96.8      | 96.8   | 96.8  | 96.8  |
| ≥ /00             | 83.7  | 88,9         |              | 91.1         | 92.4   | 92.6         | 93.3         | 94.5         | 95.3         | 96.6 | 97.2 | 97.2         | 97.4      | 97.4   | 97.4  | 97.4  |
| ≥ 600             | 83.7  | 89.0         |              | 91.2         | 92.5   |              |              |              | 95.7         | 97.1 | 97.7 | 97.3         | 98.2      | 98.2   | 98.2  | 98.2  |
| ≥ 500<br>≥ 400    | 83.7  | 89.0         |              | 91.2         | 92.6   | 92.9         | 93.6         | 95.0         | 95.8         | 97.4 | 98.1 | 98.2         | 98.5      | 98.5   | 98.5  | 98.5  |
| ≥ 400             | 83.7  | 89.0         | 90.9         | 91.2         | 92.6   |              | 93.6         | 95.0         | 95.9         | 97.6 | 98.3 | 98.4         | 98.7      | 98.8   | 98.8  | 98.8  |
| ≥ 300             | 53.7  | 89,1         | 91.0         | 1            | 92.7   | 93.0         |              | 95.2         | 96.0         | 97.7 | 98.5 | 98.6         | 98.9      | 99.0   |       |       |
| ≥ 200             | 83.7  | 89.1         | 91.0         |              | 92.7   |              |              |              | 96.0         | 97.8 | 98.7 | 98.8         |           | 99.4   | 99.4  | 99.4  |
| ≥ 100             | 83.7  | 89,1         | 91.0         |              | 92.7   | - ; -        |              |              | 96.0         |      | 1    | 98.9         | 1 1 7 7 7 | 99.6   |       | 99.7  |
| ≥ 0               | 83.7  | 89.1         | 91.0         | 91.3         | 92.7   | 93.0         | 93.8         | 95.2         | 96.0         | 98.0 | 98.8 | 98.9         | 99.4      | 99.6   | 99.7  | 100+0 |

TOTAL NUIABER OF OBSERVATIONS

929

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

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MALMSTROM AFB MT/GREAT FALLS

67-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING               |              |              | -                |      |              |              | VIS          | IBILITY (ST. | ATUTE MIL    | ES)          |              |                  |              |              |              |                  |
|-----------------------|--------------|--------------|------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|------------------|
| FEET,                 | ≥10          | ≥6           | ≥5               | ≥4   | ≥3           | ≥2⅓          | ≥?           | ≥1⅓          | ≥1¼          | ≥1           | ≥ ⅓          | ≥,•              | ≥ '⁄2        | ≥5 16        | , ₹          | ≥0               |
| NO CEILING<br>≥ 20000 | 30.9<br>36.8 | 43.4<br>54.8 | 43.9<br>55.3     |      | 44.2<br>55.6 | 55.6         |              |              | 44.2<br>55.6 |              |              | 44.2             |              | 44.2<br>55.6 |              |                  |
| ≥ 18000<br>≥ 16000    | 36.9<br>37.1 | 54.9<br>55.2 | 55+4<br>55+6     |      | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9     | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9 | 55.7<br>55.9     |
| ≥ 14000<br>≥ 12000    | 37.7<br>40.2 | 55.8<br>58.9 | 56+2<br>59+4     |      | 56.6<br>59.7 | 59.7         | 56.6<br>59.7 | 56.6<br>59.7 | 56.6<br>59.7 | 56.6<br>59.7 | 56.6<br>59.7 | 56.6<br>59.7     | 56.6<br>59.7 | 56.6<br>59.7 | 56.6<br>59.7 | 56.6<br>59.7     |
| ≥ 10000<br>≥ 9000     | 48.2         | 70.9         | 71,3             | 71.3 | 70.1<br>71.6 | 70.1<br>71.7 | 70.1<br>71.7 | 70•1<br>71•7 | 70·1<br>71·7 | 70.1<br>71.7 | 70.1<br>71.7 | 70 • 1<br>71 • 7 | 70.1<br>71.7 | 70.1<br>71.7 | 70.1<br>71.7 | 70 · 1<br>71 • 7 |
| ≥ 8000<br>≥ 7000      | 52.3<br>52.8 | 75.1<br>75.9 | 75.5<br>76.3     | 76.3 | 75.9<br>76.9 | 76.0<br>77.0 | 76.0         | 76.0<br>77.0 |              | l 1          | 76.0<br>77.0 | 76 • 0<br>77 • 0 | 76.0<br>77.0 | 76.0<br>77.0 | 76.0<br>77.0 |                  |
| ≥ 6000<br>≥ 5000      | 54.5<br>56.6 | 77.7<br>80.8 | 78 • 2<br>81 • 3 | 81.3 | 78.7<br>82.0 |              | 78.9<br>82.3 |              | 78.9<br>82.3 | 78.9<br>82.3 | 78.9<br>82.3 | 78.9<br>82.3     | 78.9<br>82.3 | 78.9<br>82.3 | 78.9<br>82.3 | 78.9<br>82.3     |
| ≥ 4500<br>≥ 4000      | 57.6         | 81.3<br>82.5 | 83.0             | 83.0 | 82.7         |              | 82.9<br>84.2 | 82.9<br>84.4 | 82.9<br>84.4 | 82.9<br>84.4 | 82.9<br>84.4 | 82.9<br>84.4     | 82.9<br>84.4 | 82.9<br>84.4 | 82,9<br>84,4 | 82.9<br>84.4     |
| ≥ 3500<br>≥ 3000      | 58.4<br>58.8 | 83.3         | 83.9             | 84.9 | 84.9         | 86.8         | 85.2         | 85.4         | 85.4         | 85.7<br>87.4 | 85.7<br>87.4 | 85.7<br>87.4     | 85.7<br>87.4 | 85.7<br>87.4 | 85.7<br>87.4 | 85.7             |
| ≥ 2500<br>≥ 2000      | 59.1<br>59.9 | 86.5         | 85.6<br>87.0     | 87.2 | 87.1<br>89.2 | 87.7<br>90.1 | 88.0<br>90.6 | 88.2         | 88.3<br>91.0 | 91.5         | 89.6<br>91.5 | 88.6<br>91.5     | 88.6<br>91.5 | 88.6<br>91.5 | 88.6<br>91.5 | 88.6<br>91.5     |
| ≥ 1800<br>≥ 1500      | 59.9<br>60.5 | 86.9         | 87.7             | 89.2 | 90.3         | 92.6         | 91.8         | 92.0<br>93.7 | 93.8         | 92.7         | 92.7         | 92•7<br>94•5     | 92.7<br>94.5 | 92.7<br>94.5 | 92.7         | 92•7<br>94•5     |
| ≥ 1200<br>≥ 1000      | 60.6         | 88.5         | 89.5<br>89.7     | 90.1 | 92.3<br>92.8 | 94.0         | 94.2         | 94.5         | 94.6         | 95.4         | 95.5<br>96.5 | 95.5<br>96.5     | 95.5<br>96.5 | 95.5<br>96.5 | 95.5<br>96.5 | 95.5             |
| ≥ 900<br>≥ 800        | 60.6         | 88.5         | 89,7<br>89,7     | 90.1 | 93.0         | 94.3         | 95.2         | 95.7<br>95.7 | 95.8<br>95.8 | 96.8<br>97.0 | 96.9<br>97.1 | 96.9             | 96.9<br>97.1 | 96.9<br>97.1 | 96.9<br>97.1 | 97•i             |
| ≥ /00<br>≥ 600        | 60.6         | 88.5         | 89,8             | 90.2 | 93.2         | 94.4         | 95.3         | 95.8<br>96.0 | 95.9         | 97.4         | 97.6         | 97.3             | 97.3         | 97.3<br>97.7 | 97.3<br>97.7 | 97.7             |
| ≥ 500<br>≥ 400        | 60.6         | 88.5         | 89,9             | 90.3 | 93.4         | 94.8         | 95.7<br>95.7 | 96.3         | 96.5         | 97.7<br>98.2 | 98.4         | 98.1             | 78.1<br>98.5 | 98.1<br>98.5 | 98,1<br>98,5 | 98.5             |
| ≥ 300<br>≥ 20°1       | 60.6         | 88.5<br>88.5 | 89,9             | 90.3 | 93.4         | 94.8         | 95.7<br>95.7 | 96.6         | 96.9         | 98.5         | 98.7         | 98 • 8<br>99 • 2 | 98.8<br>99.5 | 98.8<br>99.5 | 98.8<br>99.6 | 99.6             |
| ≥ 100<br>≥ 0          | 60.6         | 1 2 4 2 2    | 89.9             |      | 93.4<br>93.4 | 94.8<br>94.8 | 95.7<br>95.7 | 96.6         |              | 99.0<br>99.0 | 99.5         | 99.6             | 99.8<br>99.8 | 99.8         | 99.9         | 99.9             |

TOTAL NUMBER OF OBSERVATIONS

93

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

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MALMSTRUM AFB MT/GREAT FALLS 67-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<del>-21,00-2300</del>

| CEILING               |              |              |              |              |              |              | VISI         | BILITY (STA  | TUTE MILE    | ES)          |              |      |              |              |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|--------------|--------------|--------------|--------------|
| FEET                  | ≥10          | ≥6           | ≥5           | ±4           | ≥3           | ≥2⅓          | ≥ 2          | ≥1½          | ≥1¼          | ≥۱           | ≥ ¾          | ≥ %  | ≥ %          | ≥ 5/16       | ≧'₄          | ≥0           |
| NO CEILING<br>≥ 20000 | 28.9         | 42.5<br>55.4 | 42.<br>55.8  | +2.9<br>55.9 | 43.2         | 43.3         | 43.5         | 43.5         | 43.5         | 43.8         | 43.8         | 43.8 | 43.9         | 43.9         | 44.0         | 44 · ·       |
| ≥ 18000<br>≥ 16000    | 37.6         | 55.8         | 56,2<br>56,3 | 56.3<br>56.5 | 56.7<br>56.8 | 56.8<br>56.9 | 57.1<br>57.2 | 57.1<br>57.2 | 57.1         | 57.3         | 57.4         | 57.3 | 57.4         | 57.4<br>57.5 | 57.5<br>57.6 | 57 ·         |
| ≥ 14000<br>≥ 12000    | 38.1         | 56.2         | 56,7<br>59.9 | 56.8         | 57.1         | 57.2         | 57.5<br>60.8 | 57.5<br>60.8 | 57.5         | 57.7         | 57.7         | 57.7 | 57.8         | 57.8         | 58.0         | 3110         |
| ≥ 10000<br>≥ 9000     | 48.0         | 68.7<br>70.0 | 69.1         | 69.2         | 69.6         | 69.7         | 70.0<br>71.3 | 70 • 0       | 70.0         | 70.2         | 70 · 2       | 70.2 | 70.3         | 70.3<br>71.6 | 70.4         | 70 •<br>71   |
| ≥ 8000<br>≥ 7000      | 50.9<br>51.6 | 72.4         |              |              |              | 73.3         | 73.7         | 73.7         | 73.7         | 73.9<br>75.2 | 73.9<br>75.2 | 73.9 | 74.0<br>75.3 | 74.0<br>75.3 | 74.1<br>75.4 | 74 •<br>75 • |
| ≥ 6000<br>≥ 5000      | 52.4         | 75.6         | 76.1<br>78.3 | 76.2<br>78.4 |              | 76.7         | 77.0         | 77.0         | 77.0         | 77.2<br>79.6 | 77.2         | 77.2 | 77.3         | 77.3<br>79.7 | 77.4<br>79.8 | 77 •<br>79 • |
| ≥ 4500<br>≥ 4000      | 54.4         | 79.0<br>81.8 |              | 79.7         |              | 80.9         | 81.2         | 81.2         | 81.2         | 81.4         | 81.4         | 81.4 | 81.5         | 81.5<br>84.5 | 81.6         | 81 •<br>84 • |
| ≥ 3500<br>≥ 3000      | 56.8<br>57.4 | 83.2         | 83.8         | 83.9         | 84.9<br>86.3 | 85.1<br>86.5 | 85.8<br>87.2 | 85.8<br>87.2 | 85.8         | 86.0         | 86.0         | 86.0 | 86.1         | 86.1         | 86.2         |              |
| ≥ 2500<br>≥ 2000      | 57.8<br>58.2 | 85.3<br>85.2 | 85.9         |              | 87.4<br>88.8 | 87.5<br>89.0 |              | 88.3         | 88.3         | 88.5<br>90.0 | 88.5<br>90.0 | 88.5 | 88.8         | 88.8         | 88.9         | 88.          |
| ≥ 1800<br>≥ 1500      | 58.3<br>58.5 | 87.0<br>87.7 | 87.8         |              | 89.6         | 90.0         | 90.8         | 90.8         | 90.8         | 91.0         | 91.0         | 91.0 | 91.3         | 91.3         | 91.4         | 91.          |
| ≥ 1200<br>≥ 1000      | 58.6         | 88.2         | 89.1         | 89.5         |              | 91.4         | 92.6         | 92.8         | 92.9         | 93.2         | 93.2         | 93.2 | 93.5         | 93.5         | 93,7         | 93.          |
| ≥ 900<br>≥ 800        | 58.6<br>58.6 | 1 7 7 7      | 1 11 11      | 1            |              | 91.8<br>91.8 | 93.3         | 93.7         | 94.0         | 94.5         | 94.8         | 94.8 | 95.2         | 95.2         | 95.3<br>95.7 | 95.<br>95.   |
| ≥ 700<br>≥ 600        | 58.6<br>58.6 | 1            | 1 7 7 7      | 90.0         |              | 92.3         | 93.9         | 94.2         | 94.5         | 95.2         | 95.5         | 95.8 | 96.1         | 96.1         | 96.2         | 97.          |
| ≥ 500<br>≥ 400        | 58.7<br>58.7 | 89.0<br>89.1 | 90.1         | 90.4         | 92.3         | 92.8         | 94.4         | 94.8         | 95.2         | 96.9         |              | 97.0 | 97.4         | 97.4         | 97.5         | 1 1 1        |
| ≥ 300<br>≥ 200        | 58.7         | 89.1<br>89.1 | 90.2         | 90.5         |              | 92.9<br>93.0 |              | 95.2         | 95.9<br>96.1 | 97.5         | 98.6         | 98.3 |              | 98.7         | 98.8         | 99.          |
| ≥ 100<br>≥ 0          | 58.7<br>58.7 | 89.1<br>89.1 |              |              |              | 93.1         | 94.8         | 95.5         | 96.2         | 97.6         | 1            | 99.1 | 99.7         | 99.7         |              | 100          |

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

MALMSTROM AFB MT/GREAT FALLS 67-76

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING                 |              |              |              |              |              |                      | VIS                  | IBILITY (ST      | ATUTE MIL    | ES)          |              |                  | · · · · · · · · · · · · · · · · · · · |              |              |                  |
|-------------------------|--------------|--------------|--------------|--------------|--------------|----------------------|----------------------|------------------|--------------|--------------|--------------|------------------|---------------------------------------|--------------|--------------|------------------|
| FEET                    | ≥10          | ≥6           | ≥ 5          | ≥4           | ≥3           | ≥2½                  | ≥ 2                  | 21%              | ≥11/4        | ≥1           | ≥ ⅓,         | ≥'•              | ≥ 1/7                                 | ≥5 16        | ≥ '4         | ≥0               |
| NO CEILING<br>≥ 20000   | 34.3<br>43.3 | 42.6<br>54.6 | _ ~ •        | 42.9<br>55.0 |              | 43.2<br>55.4         |                      |                  | 43.3         | 43.4         |              |                  |                                       |              |              | 43.6<br>55.8     |
| ≥ 18000<br>≥ 16000      | 43.5<br>43.6 | 54.8<br>54.9 | 55.2<br>55.3 | 55.2<br>55.3 | 55.5<br>55.6 | 55.6<br>55.6         | 55.7<br>55.8         | 55.7<br>55.8     | 55.7<br>55.8 | 55.8<br>55.9 | 55.8<br>55.9 | 55 · 8           | 55.9<br>56.0                          | - 4 '        | 56.0         | 56 • 0<br>56 • 1 |
| ≥ 14000<br>≥ 12000      | 44.0         | 55.4<br>59.6 | 55,8         | 55.8<br>60.0 | 56.1<br>60.3 | 56.1<br>60.3         | 56.3<br>60.5         | 56.3<br>60.5     | 1            | 56.4         | 56.4<br>60.6 | 56.4<br>60.6     | 56.5                                  | 56.5<br>60.7 | 56.5<br>60.8 | 56.6             |
| ≥ 10000<br>≥ 9000       | 57.1<br>57.9 | 70.8         | 70.1         | 70.2         | 70.5<br>71.6 | 70.5                 |                      | 70.7<br>71.8     | 70.7<br>71.8 | 70.7         | 70.7         | 70•7<br>71•9     | 70.9                                  | 70.9<br>72.0 | 70.9         | 71.0             |
| ≥ 8000<br>≥ 7000        | 61.6         | 74.0         | 74.4         | 74.5<br>75.9 | 74.8         | 74.8                 | 75.0<br>76.6         |                  | 76.6         |              | 75.1<br>76.7 |                  |                                       | 75.3<br>76.9 | 76.9         | 76.9             |
| ≥ 6000<br>≥ 5000        | 62.9<br>64.6 | 77.0<br>79.5 | 80.1         | 77.5<br>80.1 | 78.0<br>80.8 | 78.1<br>80.9         | 78.3<br>81.1         | 78.3<br>81.2     | 78.3<br>81.2 | 78.4<br>81.3 | 78.4<br>81.3 | 78.4<br>81.3     | 78.5<br>81.4                          | 78.5<br>81.4 | 81.5         | 78.6<br>81.5     |
| ≥ 4500<br>≥ 4000        | 65.2         | 80.3<br>82.3 | 80.9         | 80.9<br>83.1 | 81.7         | 81.8<br>84.0         |                      | 84.4             | 82.1<br>84.5 | 82.2<br>84.6 |              | 82 • 2<br>84 • 6 | 82.3                                  | 82.3<br>84.8 | 84.9         | 82.4<br>84.9     |
| ≥ 3500<br>≥ 3000        | 67.3         | 83.9         | 84.7         | 84.8         | 85.8         | 84.8                 | 86.5                 | 85.3             | 85.5<br>86.8 | 85.6<br>86.9 | 86.9         | 86.9             | 85.8<br>87.1                          | 85.8<br>87.1 | 87.2         | 87.2             |
| ≥ 2500<br>≥ 2000        | 68.0         | 84.7<br>85.5 | 85.5         | 86.7         | 86.7<br>88.0 | 87.0<br>88.3         | 87.5<br>88.9         | 87.7             | 87.9<br>89.4 |              | 39.6         | 88.1             |                                       | 89.8         | 89.9         |                  |
| ≥ 1800<br>≥ 1500        | 68.0         | 85.8<br>86.5 | 86,9         | 87.9         | 88.5<br>89.5 | 88.8                 | 89.5<br>90.7         | 89.7<br>91.1     | 90.0         | 90.2         |              |                  | 90.4                                  | 91.9         |              |                  |
| ≥ 1200                  | 68.5<br>68.6 | 87.2         | 88.7         | 88.9         | 90.2         | 90.6<br>91.2         |                      | 92.1             | 92.4         |              | 92.8         | 92.9             | 93.0<br>94.5                          | 94.6         | 93.1         | 93.1             |
| ≥ 900<br>≥ 800          | 68.7         | 87.4         | 88,9         | 89.0<br>69.2 | 90.9         | 91.3                 | 92.4                 | 93.1             | 93.6         |              | 94.6<br>95.1 | 94.7             | 94.9                                  | 95.6         |              | 95.6             |
| ≥ /00<br>≥ 600          | 68.8         | 87.7         | 89.3         | 89.7         | 91.7<br>92.0 | 92.1                 | 93.2                 | 94.5             | 94.6         | 95.6         | 95.9         | 96.2             | 96.4                                  | 96.5         | 96.5         | 96.5             |
| ≥ 500<br>≥ 400<br>≥ 300 | 68.9         | 87.9<br>87.9 | 89.6         | 90.0         | 92.0<br>92.1 | 92.6<br>92.6<br>92.7 | 93.8                 | 94.8             | 95.5<br>95.7 | 96.7         | 97.3<br>97.6 | 97.5<br>97.8     | 97.9<br>98.3                          | 98.0<br>98.3 | 98.4         | 98 • 1<br>98 • 5 |
| ≥ 200                   | 68.9         | 88.0         | 89.6         | 90.1         | 92.2         | 92.7                 | 93.9<br>94.0<br>94.0 | 95 • 1<br>95 • 1 | 95.8<br>96.0 |              | 97.8<br>98.1 | 98.4             | 98.5                                  | 98+6<br>99+1 | 98.7         | 98.8             |
| ≥ 100                   | 68.9         | 88.0         | 89.6         | 90.1         | 92.2         | 92.8                 |                      | 95.2<br>95.2     | 96•0<br>96•0 | 97.5<br>97.5 | 98.3         |                  | 99.2                                  | 99.4         | 99.5         | 99.7             |

TOTAL NUMBER OF OBSERVATIONS

7439

USAF ETAC 10164 14-5 (OL'A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

# CEILING VERSUS VISIBILITY

24112 MALMSTRUM AFB MT/GREAT FALLS 67-77

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING                    |                      |                            |                      |                      |                      |                      | VIS                  | BILITY (ST.          | ATUTE MILI           | ES)                  |                      |                      |                      |                      |                      |                    |
|----------------------------|----------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------|
| FEET                       | ≥10                  | ≥6                         | ≥5                   | ≥4                   | ≥3                   | ≥2%                  | ≥ 2                  | ≥1½                  | ≥11/4                | ≥1                   | ≥ ⅓4                 | ≥ '•                 | ≥%                   | ≥ 5/16               | ≥ '4                 | ≥0                 |
| NO CEILING<br>≥ 20000      | 46.8<br>54.9         | 52.6<br>62.2               | 52.7<br>62.4         | 52.7<br>62.4         | 52.8<br>62.5         | 52.8<br>62.6         | 52.9<br>62.6         | 52.9<br>62.6         |                      | 52.9<br>62.7         | 52.9<br>62.7         | 52.c                 | 52.g                 | 52.g                 | 53.0<br>62.7         | 53.0<br>62.7       |
| ≥ 18000<br>≥ 16000         | 55.1<br>55.3         | 62.4<br>62.6               | 62.6                 | 62.6                 | 62.8                 | 62.8                 | 62.8                 | 62.8                 | 63.0                 | 62.9<br>63.0         | 62.9                 | 62.9                 | 62.9                 | 62.9                 | 62.9                 | 63.1               |
| ≥ 14000<br>≥ 12000         | 56.1                 | 63.5<br>67.8               | 63.6                 | 68.0                 | 63.8                 | 68.2                 | 63.9<br>68.2         | 63.9<br>68.2         | 63.9<br>68.2         | 63.9<br>68.3         | 63.9<br>68.3         | 63.9<br>68.3         | 63.9                 | 64.0<br>68.2         | 64.0                 | 64 • 0<br>-68 • 4  |
| ≥ 10000<br>≥ 9000          | 66.3<br>67.2         | 74.6<br>75.7               | 74.8                 | 74.9<br>75.9         | 75.0<br>76.1         | 75.0<br>76.1         | 75.1<br>76.1         | 75.1<br>76.2         | 75.1<br>76.2         | 75 • 1<br>76 • 2     | 75.1<br>76.2         | 75 • 1<br>76 • 2     | 75.2                 | 75•2<br>76•3         | 75.2<br>76.3         | 75 • 2<br>- 76 • 3 |
| ≥ 8000<br>≥ 7000<br>≥ 6000 | 69.4<br>70.7<br>72.5 | 78 • 1<br>79 • 6<br>81 • 6 | 78.3<br>79.8<br>81.8 | 78.4<br>79.8<br>81.9 | 78.5<br>80.0         | 78.6<br>80.0         | 78.6<br>80.1         | 78.6<br>80.1         | 78.6<br>80.1         | 78.7<br>80.2         | 78.7<br>80.2         | 78.7<br>80.2         | 78.7                 | 78.7<br>_80.2        | 78.7                 | 78 • 8<br>- 80 • 2 |
| ≥ 6000<br>≥ 5000<br>≥ 4500 | 74.7                 | 84.2                       | - 1                  | 84.5                 | 82.1<br>84.7<br>85.8 | 82.1<br>84.8<br>85.8 | 82.2<br>84.8<br>85.9 | 84.9                 | 82.2<br>84.9         |                      | 82.2                 | 82 • 2<br>84 • 9     | 82.3                 | 82.3<br>85.0         | 82.3                 | 82 • 3<br>- 85 • 0 |
| ≥ 4000<br>≥ 3500           | 77.1                 | 87.2                       | 87.5<br>88.5         | 87.6<br>88.6         |                      | 88.0                 | 88.1                 | 85.9<br>88.1<br>89.2 | 85.9<br>88.2<br>89.2 | 86.0<br>88.2<br>89.3 | 86.0<br>88.2<br>89.3 | 86.0<br>88.2<br>89.3 | 86.0<br>88.2<br>89.3 | 86.0<br>88.3<br>89.4 | 86.0<br>88.3<br>89.4 | 88.3               |
| ≥ 3000<br>≥ 2500           | 78.4<br>79.0         | 89.9                       | 89.5<br>90.4         |                      | 90.0                 | 90.1<br>91.1         | 90.3                 | 90.3                 | 90.4                 | 90.4                 | 90.5<br>91.5         | 90.5                 | 90.5                 | 90.5<br>91.5         | 90.5                 | 90.6               |
| ≥ 2000                     | 79.6                 | 90.8                       |                      | 91.6                 | 92.5                 | 92.3<br>92.7         |                      |                      | 92.8                 | 92.8                 | 92.9                 | 92.9                 | 92.9                 | 92.9                 |                      | 93.0               |
| ≥ 1500<br>≥ 1200           | 80 • 1<br>80 • 4     | 91.8                       | 92,5                 | 92.8                 | 93.4                 | 93.6                 | 93.9                 | 94.1                 | 94.2                 | 94.3                 | 94.4                 | 94.4                 | 94.4                 | 94.4                 | 94.5                 | 94.5               |
| ≥ 1000                     | 80.6<br>80.7         | 92.8                       | 93.7                 | 94.0                 | 94.8                 | 95.1<br>95.3         | 95.5<br>95.7         | 95.8<br>96.1         | 96.0                 | 96.5                 | 96.6                 | 96.4                 | 96.4                 | 96.4                 | 96.5                 | 96+5               |
| ≥ 800<br>≥ 700<br>≥ 600    | 80.7                 | 93.1                       | 94.3                 | 94.4                 | 95.2                 | 95.5<br>95.8         | 96.3                 | 96.8                 | 96.6                 | 96.9                 | 97.0                 | 97.0<br>97.5         | 97.1<br>97.6         | , , , , ,            | 97.2<br>97.6         | 97.7               |
| ≥ 500<br>≥ 400             | 80.9<br>80.9<br>81.0 | 93.5<br>93.6<br>93.6       | 94.5<br>94.7<br>94.8 | 94.9<br>95.0<br>95.1 | 95.8<br>96.0<br>96.1 | 96.4<br>96.5         | 96.9<br>96.9         | 97.1<br>97.5         | 97.4                 | 98.2                 | 98.4                 | 98.0                 | 98.6                 | 98.6                 | 98.7                 | 98 • 2<br>98 • 7   |
| ≥ 300<br>≥ 200             | 81.0<br>81.0         | 93.7<br>93.7               | 94.8                 | 95.2<br>95.3         | 96.3                 | 96.7<br>96.7         | 97.3                 | 97.9<br>98.0         | 98.2<br>98.3         | 98.4<br>98.7<br>98.9 | 98.7                 | 98.8<br>99.1         | 99.3                 | 99.3                 | 99.4<br>99.4         | 99.5               |
| ≥ 100<br>≥ 0               | 81.0<br>81.0         | 93.7                       | 94.9                 |                      | 96.3                 | 96 · 8               | 97.4                 |                      | 98.3                 | 98.9                 | 99.2                 | 99.3                 | 99.5                 |                      | 99.7                 | 99.7               |

TOTAL NUMBER OF OBSERVATIONS

87664

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- \*1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- \*2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.
- \* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PRUCESSING BRANCH
USAF ETAC
AIR HEATHER SERVICE/MAC
24112 MALMSTROM AFB MT/GREAT FALLS
TATION NAME CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS) 1. 0 (

DAILY TEMPERATURES

MAXIMUM

| [   | TEMP (*F)  | JAN   | FEB.  | MAR    | APR   | MAY   | NUL   | JUL.  | AUG   | SEP.  | OCT.  | NOV.   | DEC.   | ANNUAL  |
|-----|------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|
| Σ   | 105        |       |       |        |       |       |       |       | 2     |       |       |        |        | .0      |
| ≥   | 100        |       |       |        |       |       |       | 8     | .7    |       |       |        |        | 1       |
| ≥ _ | 95         |       |       |        |       |       | 1     | 5.1   | 5.1   | .4    |       |        |        | . 9     |
| ≥   | 90         |       |       |        |       | . 2   | 3.1   | 21.1  | 20.7  | 3.4   |       |        |        | 4.1     |
| ≥   | გ5         |       |       |        | . 1   | 2.4   | 10.7  | 44.1  | 39.3  | 10.9  | . 4   |        |        | 9.1     |
| ≥   | 80         |       |       |        | 1.9   | 8.8   | 24.6  | 67.1  | 58.4  | 23.5  | 3.1   |        |        | 15.8    |
| ≥   | 75         |       |       | .1     | 4.6   | 18.3  | 40.7  | 82.7  | 74.8  | 38.9  | 11.3  | .1     |        | 22.8    |
| ≥   | 70         |       |       | 1.1    | 11.6  | 32.6  | 60.0  | 92.1  | 88.1  | 54.2  | 23.1  | 1.2    |        | 30.5    |
|     | _65        |       | .6    |        | 19.9  | 49.9  | 76.4  | 96.8  | 94.3  |       | 35.7  | 4.0    |        | 37.6    |
| ≥   | 60         | . 9   | 2.5   | 9.1    | 32.3  | 65.8  | 88.1  | 98.9  | 97.8  | 78.4  | 49.5  | 11.2   | lel    | 44.9    |
| 2   | 55         | 3.7   | 8.6   |        | 47.6  | 81.5  | 95.9  | 99.9  | 99.4  |       | 64.7  | 23.2   | 5.5    | 53.3    |
| ≥   | 50         | 10.0  | 20.4  | 30.8   | 63.9  | 90.4  | 99.4  | 100.0 | 100.0 | 92.8  | 77.6  |        | 16.8   | 61.9    |
| ≥   | 45         | 22.5  | 34.5  | 47,5   | 76.6  | 96.2  | 99.9  |       |       | 96.1  | 87.0  | 53.9   | 31.7   | 70.6    |
| 2   | 40         | 38.5  | 53.7  |        | 86,7  | 98.6  | 100.0 |       |       | 98,3  | 91.9  | 68.5   | 50.2   | 79.1    |
| ≥   | 35         | 52.3  | 65.0  | 72.3   | 92.2  | 99.5  |       |       |       | 99.8  | 95.5  | 81.2   | 63.5   | 85.2    |
| [≥  | 30         | 60.9  | 73,3  | 80.3   | 97.1  | 99,9  |       |       |       | 100.0 | 98.4  | 87.5   | 72.2   | 89.2    |
| ≥   | 25         | 67.5  | 80.5  |        | 99.0  | 100.0 |       |       |       |       | 99.2  | 90.8   | 78.5   | 91.8    |
| ≥   | 20         | 74.3  | 84.8  | 90.2   | 99.5  |       |       |       |       | _     | 99,9  | 92.9   | 84.6   | 93.9    |
| ≥   | 15         | 78.8  |       |        | 99.7  |       |       |       |       |       | 100.0 |        |        | 95.3    |
| ≥   | 10         | 82.0  |       | 95,9   | 100.0 |       |       |       |       |       |       | 96.9   |        | 96.5    |
| ≥   | 5          | 85.2  |       | 97.1   |       |       |       |       |       |       |       | 97.9   | 94.3   | 97.5    |
| ≥   | 0          | 88.6  |       |        |       |       |       |       |       |       |       | 99.3   | 96.8   | 98.4    |
| ≥   | <b>~</b> 5 | 92.4  | 99.7  |        |       |       |       |       |       |       |       | 99.7   |        | 99.1    |
| ≥   | <b>-10</b> | 95.8  |       |        |       |       |       |       |       |       |       | 100.0  | 99.4   | 99.6    |
| 2   | -15        |       | 100.0 | 100.0  |       |       |       |       |       |       |       |        | 99.7   | 99.8    |
| ≥   | <b>-20</b> | 94.8  |       |        |       |       |       |       |       |       |       |        | 99.9   | 100.0   |
| ≥   | +25        | 100.0 |       |        |       |       |       |       |       |       |       |        | 100.0  | 100.0   |
| ≥   |            |       |       |        |       |       |       |       |       |       |       |        |        |         |
| ≥   |            |       |       |        |       |       |       |       |       |       |       |        |        |         |
| ≥   |            |       |       |        |       |       |       |       |       |       |       |        |        | ļ       |
| ≥_  |            |       |       |        |       |       |       |       |       |       |       |        |        | <u></u> |
| ≥   |            |       |       |        |       |       |       |       |       |       |       |        |        |         |
| ≥   |            |       |       |        |       |       |       |       |       |       |       |        |        |         |
| ≥   |            |       |       |        |       |       |       |       |       |       |       |        |        |         |
| 2   |            |       |       |        |       |       |       |       |       |       | 4     |        |        |         |
|     | MEAN       | 29.5  | 37.0  | 41.1   | 53.6  | 64.2  | 71.9  | 82.4  | 80.9  | 69.5  | 511.8 | 44.0   | 35.5   |         |
| L   | S D        |       |       | 15.567 |       |       |       |       |       |       |       | 14.225 | 15.045 | 22.069  |
|     | TOTAL OBS  | 992   | 904   | 992    | 960   | 992   | 960   | 992   | 742   | 960   | 992   | 960    | 1992   | 11688   |

USAFETAC TOTAL 64 0-21 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**%** 

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C

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTROM AFF MT/GREAT FALLS STATION NAME **DAILY TEMPERATURES** 

CUMULATIVE FERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

|               | TEMP (°F)  | JAN   | FEB   | MAR    | APR   | MAY   | MUL  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.   | ANNUAL |
|---------------|------------|-------|-------|--------|-------|-------|------|-------|-------|-------|-------|-------|--------|--------|
| ≥             | 70         |       |       | 1      |       |       |      | . 6   | . 3   |       |       |       |        | • 1    |
| ≥             | - 65       |       |       |        |       |       | .3   | 4.4   | 2.7   | •2    |       |       |        | ,7     |
| ≥             | 60         |       |       |        |       | . 4   | 2.9  | 20.8  | 14.9  | 1.8   | .2    |       |        | 3.5    |
| ≥             | 55         |       |       |        | . 1   | 3.1   | 18.3 | 49.5  | 41.3  | 10.8  | 1.0   | -     |        | 10.5   |
| ≥             | 50         |       | .1    | . 1    | 1.1   | 13.4  | 47.8 |       | 75.9  | 27.3  |       | 1.1   |        | 21.6   |
| <u>≥</u>      | 45         | . 3   | . 4   | .7     | 6.6   | 33.4  | 78.4 |       | 94.7  | 52.0  | 19.7  | 4.3   | 1.1    | 32.5   |
| ≥             | 40         | 3.7   | 3.4   | 3.8    | 16.5  | 61.1  | 93.3 | 99.5  | 99.4  | 75.6  | 39.1  | 11.9  | 6.5    | 43.0   |
| ≥             | 35         | 10.2  | 9.4   | 12.7   | 37.3  | 84.0  |      | 100.0 | 100.0 | 88.7  | 58.9  | 25.4  | 14.1   | 53.5   |
| <u>≥</u><br>≥ | 33         | 13.4  | 14.5  | 18.2   | 47.8  | 90.9  | 99.3 |       |       | 92.5  | 66.6  | 32.4  | 18.1   | 58.0   |
| ≥             | 30         | 20,0  | 23.3  | 30.3   | 64.0  | 95.1  | 99.0 |       |       | 96.1  | 77.5  | 41.6  | 25.6   | 64-7   |
| ≥             | 25         | 30,7  | 38.2  | 50.5   | 82.1  | 99.1  |      |       |       | 99.8  | 89.9  |       | 38.8   | 74.1   |
| ≥             | 20         | 40.7  | 52.8  |        | 92.0  | 99.6  |      |       |       | 100.0 | 96.3  | 72.0  | 51.7   | 81.1   |
| ≥             | 15         | 48,8  | 61.6  | 75.6   | 96.8  | 99.9  |      |       |       |       | 98.8  | 80.5  |        | 85.5   |
| ≥.            | 10         | 55.8  | 70,0  | 80.7   |       | 100.0 |      |       |       |       | 99.6  | 87,1  |        | 88.6   |
| <u>≥</u>      | 5          | 61.5  | 76.5  |        | 99.3  |       |      |       |       |       |       | 90.3  |        | 90.9   |
| ≥             | 0          | 69.1  | 83.8  | 90,2   | 99.6  |       |      |       |       |       | 99.9  | 93.7  |        | 93.3   |
| ≥             | -5         | 75.6  | 89.5  | 93,2   | 99.8  |       |      |       |       |       | 100.0 |       |        | 95.2   |
| ≥             | -10        | 82.5  | 95.4  | 96,2   | 100.0 |       |      |       |       |       |       | 97.6  |        | 97.1   |
| ≥             | -15        | 88.3  | 93.8  | 97.7   | Ţ     |       |      |       |       |       |       | 99.2  |        | 98.3   |
| ≥             | -20        | 92.9  | 99.6  |        | i     |       |      |       |       |       | •     | 99.8  |        | 99.1   |
| ≥             | -25        | 96.4  | 100.0 | 99,7   |       |       |      |       |       |       |       | 100.0 |        | 99.6   |
| ≥             | -30        | 98.7  |       | 99.9   |       |       |      |       |       |       |       |       | 99.5   | 99.8   |
| ≥             | -35        | 99.9  |       | 100.0  |       |       |      |       |       |       |       |       | 99.7   | 100.0  |
| ≥             | <b>~40</b> | 100.0 |       |        |       |       |      |       |       |       |       |       | 99.9   | 100.0  |
| ≥             | <b>~45</b> |       |       |        |       |       |      |       |       |       |       |       | 100.0  | 100.0  |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥ .           |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| <u>≥</u><br>≥ |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
| ≥             |            |       |       |        |       |       |      |       |       |       |       |       |        |        |
|               | MEAN       | 10.6  | 1".1  |        | 31.,7 | 41,4  | 49.0 | 54.6  | 53.4  | 44.6  | 36.3  | 24.9  | 17.2   | 23.5   |
|               | S. D       |       |       | 14.112 |       |       |      |       |       |       |       |       | 16.573 | 18,752 |
|               | TOTAL OBS  | 992   | 904   | 992    | 960   | 992   | 960  | 992   | 992   | 960   | 992   | 960   | 992    | 11688  |

USAFETAC JUL 64 1-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**DAILY TEMPERATURES** 

24112 MALMSTRUM AFB MT/GREAT FALLS

YEAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

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| TEAL          | P (*F)   | JAN          | FEB    | MAR    | APR.        | MAY      | JUN   | JUL.  | AUG.  | SEP    | oct.   | NOV.   | DEC.             | ANNUAL |
|---------------|----------|--------------|--------|--------|-------------|----------|-------|-------|-------|--------|--------|--------|------------------|--------|
| ≥ IEMI        |          | JAN          | LEB    | MAN    | OF N.       | mn.      | 70.4  |       | , Ž   |        |        |        |                  | . 1    |
| <u>-</u>      | 85<br>80 | -            |        |        |             |          | • 2   | 2.9   | 2.1   |        |        |        |                  |        |
| <u>-</u><br>≥ |          |              |        |        | <del></del> | - 1      | 1.9   | 17.8  | 15.9  | 1.5    |        |        | <del>-</del>     | 3.1    |
|               | 75<br>70 |              |        |        | <del></del> | 1.7      | 13.1  | 47.1  | 38.6  | 9.6    | . 3    |        |                  | 9.3    |
| ≥             |          |              |        |        | .5          | 9.1      | 30.9  | 74.7  |       | 23.4   | 3.3    |        | ——— <del> </del> | 17.5   |
| ≥             | 65       |              |        | 2      | 4.1         | 22.3     | 53.7  | 92.3  | 87.8  | 43.9   |        | .8     |                  | 26.6   |
| ≥             | 60<br>55 | -            | .3     | 1.1    | 11.9        | 42,7     | 80.4  | 98.1  | 96.8  |        | 28.3   | 3,5    | •1               | 35.8   |
| <u>-</u><br>≥ | 50<br>50 | 1.3          | 2.2    | 5.8    | 25.5        | 65.6     |       | 100.0 |       |        |        | 10.9   | 2.4              | 44.7   |
|               | 45       | 5.1          | 8.0    | 14.4   | 43.7        | 85.6     | 99.4  | 100.0 | 100.0 |        | 62.9   |        | 9.0              | 53.6   |
| ≥             | 40       | 13.9         | 19.9   | 29.8   | 64.7        | 95.3     | 99.8  |       | 100.0 | 95.1   | 79.7   |        | 21.3             | 63.5   |
| ≥             |          | 26.4         | 37.7   | 50.4   | 81.7        |          | 100.0 |       |       | 98.5   |        | 56.4   | 35.9             | 73.0   |
| ≥             | 35<br>30 | 38.7         | 53.2   | 64.5   | 91.2        | 99.6     | 100.0 |       |       | 100.0  |        | 71.0   | 50.0             | 80.4   |
| ≥             | 25       | 49.5         | 62.9   |        | 96.4        | 99.9     |       |       |       | 100.00 | 98.3   | 82.3   | 62.3             | 85.5   |
| 2             | 20       | 58.7         | 72.0   |        |             | 100.0    |       |       |       |        | 99.2   |        | 71.7             | 89.2   |
| ≥             | 15       | 65.1         | 79.8   |        | 99.4        | 100.0    |       |       |       | •      | 99.7   |        |                  | 91.8   |
| ≥             | 10       | 72.9         | 85.7   |        | 99.6        |          |       |       |       |        | 99.9   |        | 64.3             | 93.9   |
| ≥             | 5        | 77.8         | 90.6   | 94.0   | 99.7        |          |       |       |       |        | 100.0  |        | 89.0             | 95.6   |
| ≥             | 0        | 82.6         | 94.1   |        | 100.0       |          |       |       |       |        | 10000  | 97.5   | 92.9             | 96.9   |
| ≥             | -5       | 87.2         | 97.8   |        | 10000       | <u>-</u> |       |       |       |        |        | 99.0   | 95.9             | 98.1   |
| ≥             | -10      | 90.9         | 99.3   |        |             |          |       |       |       |        |        | 99.7   |                  | 98.9   |
| ≥             | -15      | 94.9         | 99.9   |        |             |          |       |       |       |        |        | 100.0  | 99.1             | 99.5   |
| ≥             | -20      |              | 100.0  |        |             |          |       |       |       |        |        | .,,,,, | 99.6             | 99.8   |
| ≥             | -25      | 99.6         |        | 100.0  |             |          |       |       |       |        |        |        | 99.7             | 99.9   |
| ≥             | -30      | 100.0        |        | 20010  |             |          |       |       |       |        |        |        | 99.9             | 100.0  |
| ≥             | -35      | 10010        |        |        |             |          |       |       |       |        |        |        | 100.0            | 100.0  |
| ≥             |          | <del> </del> |        |        |             |          |       |       |       |        |        |        |                  |        |
| ≥             |          |              |        |        |             |          |       |       |       |        |        |        |                  |        |
| ≥             |          |              |        |        |             |          |       |       |       |        |        |        |                  |        |
|               |          |              |        |        |             |          |       |       |       |        |        |        |                  |        |
| ≥             |          |              |        |        |             |          |       |       |       |        |        |        |                  |        |
| 2             |          |              |        |        | i           |          |       |       |       |        |        |        |                  |        |
| ≥             |          |              |        |        |             |          | _     |       |       |        | · ·    |        |                  |        |
| ≥             |          |              |        |        |             |          |       |       |       |        |        |        |                  |        |
|               | i        |              |        |        |             |          |       |       | -     |        |        |        |                  |        |
| 2             |          |              |        |        |             |          |       |       |       |        |        |        |                  |        |
|               | EAN      | 20.1         | 27.2   | 31.3   | 42.8        | 53,0     | 60.6  | 68.7  | 67.3  | 57, 2  | 47.7   | 34.6   | 26.5             | 44.8   |
|               | 5 D      | 18.841       | 14.599 | 14.363 | 9.870       | 8.215    | 7.136 | 6.301 | 6.723 | 9.404  | 10.335 | 13.460 | 15.522           |        |
| 707           | AL OBS   | 992          | 904    |        | 960         | 992      |       | 992   |       |        |        |        |                  | 11688  |

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24112 MALMSTRUM AFB MT/GREAT FALLS 45-77

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH<br>YEAR | JAN. | FEB. | MAR.      | APR. | MAY | NUL | JUL. | AUG. | SEP. | ост. | NOV. | DEC. | ALL<br>MONTHS |
|---------------|------|------|-----------|------|-----|-----|------|------|------|------|------|------|---------------|
| 45            |      |      |           |      | 1   |     |      |      |      |      |      | 53   |               |
| 46            | 54   | 60   | 74        | 84   | 79  | 88  | 97   | 96   | 92   | 65   | 65   | 57   | 9.            |
| 47            | 49   | 59   | 61        | 78   | 83  | 79  | 100  | 96   | 94   | 77   | 73   | 58   | 100           |
| 48            | 59   | 55   | 57        | 76   | 83  | 89  | 93   | 95   | 92   | 79   | 60   | 49   | 9             |
| 49            | 51   | 57   | 57        | 79   | 87  | 92  | 92   | 102  | 88   | 73   | 72   | 52   | 10            |
| 50            | 48   | 68   | 61        | 72   | 81  | 89  | 95   | 89   | 98   | 78   | 69   | 59   | 9             |
| 51            | 48   | 63   | 59        | 72   | 85  | 82  | 96   | 96   | 86   | 80   | 61   | 58   | 9(            |
| 52            | 47   | 58   | 61        | 83   | 79  | 87  | 97   | 95   | 89   | 82   | 62   | 60   | 9.            |
| 53            | 63   | 56   | 65        | 70   | 86  | 87  | 102  | 96   | 90   | 83   | 70   | 54   | 10            |
| 54            | 55   | 66   | 61        | 68   | 87  | 91  | 97   | 94   | 86   | 78   | 69   | 58   | 9.            |
| 55            | 53   | 54   | 61        | 68   | 78  | 88  | 98   | 96   | 92   | 81   | 61   | 53   | 91            |
| 56            | 57   | 54   | 70        | 74   | 86  | 94  | 95   | 94   | 89   | 76   | 66   | 62   | 99            |
| 57            | 51   | 55   | 62        | 80   | 84  | 88  | 95   | 96   | 90   | 84   | 57   | 62   | 9             |
| 58            | 60   | 61   | 58        | 72   | 90  | 91  | 88   | 94   | -91  | 81   | 61   | 60   | 9             |
| 59            | 63   | 47   | 64        | 73   | 80  | 90  | 97   | 92   | 90   | 74   | 65   | 59   | ġʻ            |
| 60            | 52   | 52   | 70        | 74   | 88  | 87  | 102  | 93   | 89   | 84   | 59   | 56   | 102           |
| 61            | 55   | 64   | 66        | 64   | 83  | 96  | 94   | 106  | 83   | 80   | 72   | 50   | 10            |
| 62            | 63   | 64   | 64        | 86   | 74  | 93  | 90   | 98   | 87   | 86   | 75   | 63   | 9;            |
| 63            | 57   | 65   | 76        | 81   | 85  | 89  | 100  | 97   | 92   | 87   | 64   | 60   | 10            |
| 64            | 58   | 57   | 68        | 76   | 87  | 88  | 95   | 100  | 86   | 86   | 67   | 43   | 100           |
| ó5            | 56   | 59   | 56        | 73   | 77  | 85  | 90   | 95   | 82   | 79   | 67   | 61   | 9             |
| 66            | 46   | 53   | 73        | 72   | 87  | 93  | 96   | 97   | .92  | 77   | 64   | 56   | <u> </u>      |
| 67            | 51   | 60   | 63        | 64   | 83  | 83  | 93   | 96   | 97   | 74   | 60   | 51   | 9.            |
| 86            | 63   | 65   | 68        | 82   | 71  | 86  | 94   | 90   | 89   | 78   | 61   | 54   | <u> 9</u> 4   |
| 69            | 47   | 42   | 63        | 81   | 84  | 91  | 92   | 105  | 96   | 72   | 63   | 64   | 10:           |
| 70            | 45   | 62   | 56        | 72   | 79  | 92  | 96   | 101  | 83   | 82   | 59   | 54   | 10            |
| 71            | 53   | 53   | 59        | 71   | 81  | 89  | 96   | 98   | -86  | 84   | 68   | 46   | 9             |
| 72            | 46   | 61   | <u>70</u> | 80   | 92  | 90  | 95   | 96   | 82   | 78   | 57   | 36   | 90            |
| 73            | 61   | 63   | 63        | 66   | 86  | 91  | 104  | 97   | 87   | 77   | 64   | 58   | 10            |
| 74            | 58   | 58   | 64        | 83   | 76  | 92  | 95   | 94   | 86   | 79   | 63   | 57   | 9             |
| MEAN          |      |      |           |      |     |     |      |      |      |      |      |      |               |
| S. D.         |      |      |           |      |     |     |      |      |      |      |      |      |               |
| TOTAL OSS.    |      |      |           |      |     |     |      |      |      |      |      |      |               |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-88-5 (OLA)

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## **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24112 MALMSTROM AFB MT/GREAT FALLS 45=77

#### WHOLE DEGREES FAHRENHEIT

| TOTAL OBS.    | 992      | 904          | 992      | 960      | 992      | 960<br>TUAN E | 992      | 992         | 960      | 992      | 960      | 992           | 11688         |
|---------------|----------|--------------|----------|----------|----------|---------------|----------|-------------|----------|----------|----------|---------------|---------------|
| S D           | 5,507    | 6,359        | 5,674    | 6,355    | 4.673    | 3.759         | 3.531    | 3,729       | 4.165    | 4.589    | 5.017    | 4.916         | 98.3<br>3.196 |
| MEAN          | 54.2     | 58.1         | 63.8     | 74.6     | 82.7     | 89.0          | 95.7     | 96.0        | 88.9     | 79.2     | 65.2     | 56.3<br>4.916 | 98.3          |
|               |          | İ            |          |          | ļ        | 1             |          |             |          |          |          | 2000          |               |
|               |          |              | `[       |          |          |               |          |             |          |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
| 1             | 1        |              | İ        |          | 1        |               |          |             | ļ        |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
|               |          |              |          |          |          | -             |          |             |          |          |          |               |               |
|               |          | <del> </del> |          | İ        |          |               |          |             |          |          |          |               |               |
|               | İ        | ļ            |          |          |          |               |          |             | 1        |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               | <del></del>   |
|               |          |              |          |          |          |               |          | <del></del> |          |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
|               |          |              |          |          | ļ        | j             |          |             |          |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
|               |          |              |          |          |          |               |          |             |          |          |          |               | ·             |
|               |          |              |          |          |          |               |          |             |          |          |          |               |               |
| 77            | 55       | 67           | 67       | 78       | 78       | 92            | 94       | 92          | 86       | 77       | 67       |               | -             |
| 75<br>76      | 52<br>57 | 43<br>59     | 53<br>70 | 61<br>74 | 82<br>85 | 83<br>93      | 99<br>96 | 92<br>95    | 84<br>92 | 82<br>81 | 74<br>70 | 61<br>59      | 99<br>96      |
| <del></del>   |          |              |          |          |          |               |          |             |          |          |          |               | MONTHS        |
| MONTH<br>YEAR | JAN      | FEB.         | MAR      | APR.     | MAY      | אטן.          | JUL      | AUG         | SEP.     | ост.     | NOV.     | DEC.          | ALL<br>MONTHS |

NOTES \* (BASED ON LESS THAN FULL MONTHS)
A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

### **EXTREME VALUES**

MINIMUH TEMPERATURE

(FROM DAILY OBSERVATIONS)

24112 MALMSTROM AFB MT/GREAT FALLS 45-77

WHULE DEGREES FAHRENHEIT

| MONTH<br>YEAR | MAL        | FEB.      | MAR.       | APR.     | MAY      | JUN.   | JUL. | AUG        | SEP. | ост.        | NOV        | DEC        | ALL<br>MONTHS |
|---------------|------------|-----------|------------|----------|----------|--------|------|------------|------|-------------|------------|------------|---------------|
| 45            |            |           |            |          |          |        |      |            |      | <del></del> | - <u> </u> | -5         |               |
| 46            | -8         | - 4       | 14         | 22       | 20       | 39     | 48   | 45         | 35   | 14          | -11        | -12        | -17           |
| 47            | -24        | -16       | -26        | 26<br>15 | 26       | 42     | 50   | 45         | 27   | 31          | -1         | -3         | -Ż(           |
| 48            |            | -14       | -19        | 15       | 32       | 46     | 47   | 50         | 34   | 25          | 15         | -14        | -19           |
| 49            | -29        | -14       | -3         | 29       | 27       | 34     | 43   | 44         | 31   | 11          | 21         | -19        | -Ž9           |
| 50            | -36        |           | -13        | 17       | 30       | 32     | 44   | 40         | 26   | 21          | -11        | -12        |               |
| 51            | -23        | 5         | -31        | 6        | 32       | 32     | 43   | 44         | 28   | 12          | 5          | -23        | -31           |
| 52            | -24        | -13       | 1          | 23       | 38       | 40     | 44   | 41         | 40   | 26          | 0          | 10         | -26           |
| 53            | -26        | 13        | 3          | 13       | 25       | 41     | 45   | 49         | 37   | 25          | 16         | 10         | -26           |
| 54            | -35        | 10        | -6         | -4       | 14       | 37     | 50   | 45         | 28   | 24          | 12         | -3         |               |
| 55            | 5          | -10       | -17        | 18       | 30       | 40     | 41   | 48         | 30   | 17          | -19        | -22        | -22           |
| 56            | -20        | -24       | <u>-13</u> | 21       | 26       | 45     | 49   | - 41       | 34   | 15          | 10         | +17        | -24<br>-37    |
| 57            | -32        | -15       | Q          | 18       | 38       | 43     | 50   | 44         | 29   | 12          | 17         | 17         | -32           |
| 58            | 15         |           | -2         | 22       | 38       | 44     | 43   | 49         | 36   | 26          | -6         | -6         | (             |
| 59            | -21        | - 15      | 20         | 17       | 33       | 43     | 48   | 67         | 28   | 18          | -17        | 11         | -21           |
| 60            | -4         | -15       | -19        | 21       | 29       | 43     | 50   | 45         | 36   | 23          |            | 1          | -1.           |
| 61            | 2          | 2         | 8          | 17       | 33       | 45     | 52   | 48         | 28   | 18          | 1          | -22        | Ž             |
| 62            | -30        | -18       | -14        | 22       | 34       | 33     | 41   | 45         | 34   | 27          | 14         | -10        |               |
| 63            | -27        | -14       | 17         | 21<br>5  | 31       | 37     | 40   | 44         | 38   | 20          | -7         | -14        | -27           |
| 64            | -15        | 4         | -24        |          | 35       | 38     | 47   | 41         | 30   | 24          | -14        | -32        | -37<br>-20    |
| 65            | -19        | -12       | -20        | 23<br>13 | 26<br>23 | 31     | 40   | 38         | 23   | 26          | -6         | -17        | 20            |
| 66            | -23        |           | -10        |          | 23       | 36     | 45   | <u> 38</u> | 32   | 20          | -7         | -15        | -23           |
| 67            | -12<br>-20 | 5         | -14        | - 4      | 18       | 35     | 40   | 43<br>44   | 39   | 26          | 3          | <b>-25</b> | -21           |
| 68            |            | -6        | 16         | 10       | 23       | 38     | 35   | 44         | 33   | 22          | 1          | -44        | -44<br>-34    |
| 69            | -34        | 7         | -14        | 20       | 26       | 29     | 46   | 40         | 36   | 18          | 10         | -1         | <u>-3</u> 4   |
| _70           | -20        | 1         | -16        | 13       | 28       | 32     | 43   | 41         | 20   | 16          | -14        | -13        | -20           |
| 71            | -35        | -7        | -7         | 17       | 26       | 35     | 39   | 46         | .25  | 0           | -15        | -23        | -3!           |
| 72            | -33        | -15       | -5         | 14       | 27       | 35     | 39   | 47         | 27   | 5           | 8          | -36        | -36           |
| 73            | -19        | -6        | 13         | 19       | 29       | 37     | 37   | 42         | 30   | 25          | -14        | -19        | -19           |
| 74            | -30        | <u>-2</u> |            | 24       | 31       | 32     | 47   | 40         | 26   | 19          | 11         | -2         | -30           |
| MEAN          |            |           |            |          |          |        |      |            |      |             |            |            |               |
| S. D.         |            |           |            |          |          |        |      |            |      |             |            |            |               |
| TOTAL OBS.    |            | NOTES     | # /BAS     |          | 1556 3   | HAN EU |      |            |      | i           |            | Ĭ.         |               |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

A) # (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC POBH 048-5 (OLA)

2

DATA PROCESSING BRANCH USAF/ETAT/ML A AIR WESSE SERVICE/MAC

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#### **EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24112 MALMS TROM AFR MT/GREAT FALLS 45-77

#### WHOLE DEGREES FAHRENHEIT

| MONTH               | JAN.                   | FEB           | MAR          | APR.         | MAY          | JUN          | JUL          | AUG.         | SEP          | ост.     | ИОИ     | DEC.  | ALL<br>MONTH: |
|---------------------|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|---------|-------|---------------|
| 75<br>76            | -15<br>-15             | -23<br>-13    | 0<br>-23     | -9<br>23     | 31<br>32     | 42<br>3a     | 50           | 41           | 30<br>32     | 22<br>13 | -12     | -12   | -2            |
| 77                  | -21                    | 18            | 5            | 11           | 24           | 40           | 42           | 38           | 34           | 18       |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              | _            |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              |              |              |              |              | _            |              |          | <u></u> |       |               |
|                     |                        |               |              |              |              |              |              |              | <u>}</u> -   |          |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
|                     |                        |               |              |              |              |              |              |              |              |          |         |       |               |
| WEAH                | -20.1<br>11.8071       | -6.8          | -5.2         | 16.0         | 28.6         | 37.9         | 44.6         | 43,7         | 31.1         | 19.0     | -1.2    | -11.7 | -26.<br>7.73  |
| S. D.<br>TOTAL OBS. | 11,807 <u>1</u><br>992 | J.2131<br>904 | 3.611<br>992 | 8,392<br>960 | 5,581<br>992 | 4.669<br>960 | 4.398<br>992 | 3,347<br>992 | 4.784<br>960 | 7.609    | 1,969   | 3.74; | 7.73          |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

A) # (AT LEAST ONE DAY LESS THAN 24- OBS)

USAF ETAC AN A. C #5 (CTA)

## **PSYCHROMETRIC SUMMARY**

| 112<br>STATION | MA  | LMST  | RUM A    | AFB I       | MT/GI                                            | REAT     | , AL                                             | LS                                               |                                                  | <u>68-</u>                                       | <b>7</b> 7                                       |         |                                                  |              | ARS                                              |             |               |              | J/          | N.                                    |
|----------------|-----|-------|----------|-------------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------|--------------------------------------------------|--------------|--------------------------------------------------|-------------|---------------|--------------|-------------|---------------------------------------|
| STATION        |     |       |          | 5,          | ALION NA                                         | ME       |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  | **           | .483                                             |             | PAGE          | 1            | 0000-       | -0200                                 |
|                |     |       |          |             |                                                  |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | <del></del>   |              | HOURS (     | L. S. T.)                             |
| Temp.          |     |       |          |             |                                                  |          |                                                  |                                                  |                                                  |                                                  | SSION (                                          |         |                                                  |              |                                                  |             | TOTAL         |              | TOTAL       |                                       |
| (F)            | 0   | 1 - 2 | 3 - 4    | 5 - 6       |                                                  |          |                                                  | 13 - 14                                          | 15 - 16                                          | 17 - 18                                          | 19 - 20                                          | 21 - 22 | 23 - 24                                          | 25 - 26      | 27 - 28 29                                       | - 30 ≥ 31   |               | ry Bulb      | Wet Bulb    | Dew Poi                               |
| 4/ 53          |     |       |          | į           | • 2                                              | • 3      |                                                  | 1                                                |                                                  |                                                  |                                                  |         | 1                                                | 1            | l i                                              |             | 5             | 2            |             |                                       |
| 2/ 51          |     |       |          |             | • 1                                              |          | ļ <u>.</u>                                       | ļ                                                |                                                  |                                                  |                                                  |         | <u> </u>                                         | <u> </u>     |                                                  |             | 1             | <u>i</u>     |             |                                       |
| 0/ 49          |     |       |          |             | • 1                                              | • 1      | • 1                                              |                                                  |                                                  |                                                  |                                                  |         |                                                  |              | i I                                              |             | 3             | 3            |             |                                       |
| 3/ 47          |     |       | -1       | .4          | . 8                                              | • 4      |                                                  | ·                                                |                                                  |                                                  | <u>                                     </u>     |         | ļ                                                |              |                                                  |             | 1,6           | 16           |             | · · · · · · · · · · · · · · · · · · · |
| 5/ 45          | 1   |       |          | . 8         | • 8                                              | • 8      |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 22            | 22           | 5           |                                       |
| 4/ 43          |     |       | •1       | 1.8         | .4                                               | 1.2      |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 35            | 35           | 4           |                                       |
| 2/ 41          | i   |       | • 2      | 1.9         | 1,6                                              | .3       |                                                  | !                                                | !                                                | l<br>I ,                                         |                                                  |         | !                                                | !            | !!!                                              |             | 40            | 40           | 4           |                                       |
| 0/ 39          |     |       | . 9      | 1.7         |                                                  | • 2      |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 37            | 37           |             | _                                     |
| 8/ 37          |     | • 2   | 2.0      |             | . 4                                              | -        |                                                  |                                                  |                                                  |                                                  | [                                                |         | 1                                                |              |                                                  |             | 36            | 36           | 30          |                                       |
| 5/ 35          |     | , 5   | 1.1      | 1.6         | , 6                                              |          | <u> </u>                                         |                                                  |                                                  |                                                  |                                                  |         | <u> </u>                                         | <u> </u>     | <u> </u>                                         |             | 36            | 36           | 43          |                                       |
| 1/ 33          |     | . 9   | 1.0      | 2.0         | • 4                                              |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 40            | 40           | 71          | 1(                                    |
| 2/ 31          | . 1 | 3     |          | . 4         | .8                                               |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 27            | 27           | 43          | 24                                    |
| 0/ 29          | . 3 | .9    |          | 1.2         | _ T                                              |          |                                                  | ·                                                |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 50            | 50           | 43          | 49                                    |
| 3/ 27          | . 1 | .6    |          | . 4         |                                                  |          |                                                  |                                                  | İ                                                | İ                                                |                                                  |         |                                                  | 1            |                                                  |             | 30            | 30           | 44          | 42                                    |
| 5/ 25          | .1  | 1.4   |          | . 2         |                                                  |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              | · ·                                              |             | 36            | 36           | 45          | 26                                    |
| 4/ 23          | , 2 | 1.0   | 1.1      |             |                                                  |          | 1                                                |                                                  |                                                  |                                                  |                                                  |         | 1                                                |              |                                                  | ŀ           | 21            | 21           | 44          | 2.                                    |
| 2/ 21          | . 5 | 1.6   | . 9      |             |                                                  |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 28            | 28           | 44          | 41                                    |
| 0/ 19          | . 1 |       | 1.0      |             | ) )                                              |          |                                                  |                                                  |                                                  | 1                                                | Ì                                                |         | Ì                                                | j            |                                                  |             | 26            | 26           | 20          | Ŝ4                                    |
| 8/ 17          | .6  |       |          |             |                                                  |          | <u> </u>                                         |                                                  |                                                  | i                                                |                                                  |         |                                                  | <b>1</b>     | <del>                                     </del> |             | 32            | 32           | 35          | 54                                    |
| 6/ 15          | . 6 |       | . 1      |             |                                                  |          | <b>!</b>                                         |                                                  | 1                                                | ļ                                                |                                                  |         | 1                                                | ļ            |                                                  |             | 30            | 30           | 39          | 3                                     |
| 4/ 13          | . 2 |       |          |             | i i                                              |          | i                                                |                                                  |                                                  |                                                  | i i                                              |         |                                                  |              | <del>  </del> -                                  | <u> </u>    | 19            | 19           | 30          | 5:                                    |
| 2/ 11          | 6   |       |          |             |                                                  |          | •                                                |                                                  |                                                  |                                                  | ]                                                |         | ļ                                                |              |                                                  |             | 23            | 23           | 16          | 44                                    |
| 0/ 9           | .2  |       | •2       |             |                                                  |          | <del>                                     </del> | <b></b>                                          |                                                  | <del> </del>                                     |                                                  |         |                                                  | <u> </u>     |                                                  |             | 19            | 19           | 21          | 5(                                    |
| 8/ 7           | . 4 | 1.4   | .2       |             |                                                  |          |                                                  |                                                  | ĺ                                                |                                                  |                                                  |         |                                                  |              |                                                  | 1           | 19            | 19           | 18          | . 20                                  |
| 6/ 5           | • 2 | . 9   |          |             |                                                  |          | <del> </del>                                     | <del> </del> -                                   | <u> </u>                                         |                                                  |                                                  |         | <del> </del>                                     | <del> </del> | <del> </del>                                     |             | 10            | 10           | 14          | 2                                     |
| 4/ 3           | . 2 | 1.2   |          |             |                                                  |          |                                                  |                                                  |                                                  | 1                                                |                                                  |         |                                                  |              |                                                  | -           | 13            | 13           | 10          | 19                                    |
| 2/ 1           | . 8 | 2.3   |          |             |                                                  |          | <del>                                     </del> | <del>                                     </del> | <b></b>                                          |                                                  | <del>                                     </del> |         |                                                  | <del> </del> | <del>  -</del>                                   |             | 28            | 28           | 29          | 1                                     |
| 0/ -1          | 1.2 |       |          |             | 1                                                |          |                                                  |                                                  |                                                  |                                                  | , !                                              |         |                                                  |              |                                                  | 1           | 17            | 17           | 21          |                                       |
| 2/ -3          | 1.4 | 1.0   |          |             | i — i                                            |          | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> |                                                  |         | <del> </del>                                     | <del> </del> | <del>                                     </del> |             | 22            | 22           | 23          | 19                                    |
| 4/ -5          | 1.4 | .4    |          |             |                                                  |          | 1                                                |                                                  |                                                  | 1                                                |                                                  |         |                                                  | ļ            | 1                                                | - 1         | 17            | 17           | 19          | î                                     |
| 6/ -7          | 1.8 |       |          |             | <del>                                     </del> |          | <del> </del> -                                   | <del>                                     </del> |                                                  | <del>                                     </del> |                                                  |         | 1                                                | 1            | <del>                                     </del> |             | 22            | 22           | 24          | 28                                    |
| 8/ -9          | 2.0 | .2    |          |             |                                                  |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  |              |                                                  |             | 28            | 28           | 29          | i                                     |
| 0/=11          | 2.8 |       |          |             | <del> -</del>                                    |          | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  |         | <del>                                     </del> | <del> </del> | <del>                                     </del> | <del></del> | 27            | 27           | 27          | -19                                   |
| 2/-13          | 2.4 |       |          |             |                                                  |          |                                                  |                                                  |                                                  |                                                  |                                                  |         |                                                  | 1            |                                                  |             | 22            | 22           |             | i                                     |
| ement (X)      |     | Σχ²   | <u> </u> |             | z <sub>x</sub>                                   |          | · X                                              | ·,                                               | <del>'                                    </del> | No. Ol                                           | 55.                                              |         | <u> </u>                                         |              | Mega Na                                          | of House w  | Ith Temperatu |              |             |                                       |
| . Hum.         |     | _^    |          |             |                                                  |          |                                                  | -                                                |                                                  |                                                  | +                                                | ± 0     | F                                                | ≤ 32 F       | ≥ 67 F                                           | ≥ 73 F      | > 80 F        | ≥ 93         | F .         | Total                                 |
| Bulb           |     |       |          |             | <u> </u>                                         | $\dashv$ |                                                  | <del> </del>                                     |                                                  |                                                  |                                                  |         | <del>`</del>                                     | - 32 1       |                                                  | +- /3 -     |               | 1 - 73       |             |                                       |
| t Bulb         |     |       |          |             |                                                  |          |                                                  | <del> </del>                                     | -                                                |                                                  |                                                  |         |                                                  |              | <del> </del>                                     | +           | <del></del>   | <del> </del> | <del></del> |                                       |
| w Point        |     |       |          | <del></del> | <del></del>                                      | +        |                                                  | <del> </del>                                     |                                                  |                                                  |                                                  |         |                                                  |              | <del> </del>                                     | +           | +             | ├            |             |                                       |
|                |     |       |          | L           |                                                  |          |                                                  | 1                                                |                                                  |                                                  | 1.                                               |         |                                                  |              | I                                                | . i         |               | J            |             |                                       |

0 26-5 (OL A)

### PSYCHROMETRIC SUMMARY

MALMSTROM AFB MT/GREAT FALLS 68-77
STATION NAME 0000-0200 HOURS (L. S. T.) PAGE 2

| Temp.            |                                                  |                             |              |              |                | WET            | BULB 1                                           | TEMPER.       | ATURE   | DEPRE        | SSION (         | F)            |         |              |                                         |                  |              | TOTAL        |              | TOTAL       |                                                  |
|------------------|--------------------------------------------------|-----------------------------|--------------|--------------|----------------|----------------|--------------------------------------------------|---------------|---------|--------------|-----------------|---------------|---------|--------------|-----------------------------------------|------------------|--------------|--------------|--------------|-------------|--------------------------------------------------|
| (F)              | 0                                                | 1 - 2                       | 3 - 4        | 5 - 6        | 7 - 8          | 9 - 10         | 11 - 12                                          | 13 - 14       | 15 - 16 | 17 - 18      | 19 - 20         | 21 - 22       | 23 - 24 | 25 - 26      | 27 - 28                                 | 29 - 30          | ≥ 31         | D.B./W.B.    | Dry Bulb     | Wet Bulb    | Dew Point                                        |
| -14/-15          | 3.1                                              |                             |              |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              | 29           | 29           | 29          | 24                                               |
| -16/-17          | 1.3                                              |                             | 1            |              |                | l              |                                                  |               |         |              |                 |               |         | 1 1          |                                         |                  |              | 12           | 12           | 12          | 28                                               |
| -18/-19          | • 5                                              |                             |              |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              | 5            | 3            | 5           | 17                                               |
| -20/-21          | 1.3                                              |                             |              |              |                |                |                                                  |               |         |              |                 |               |         | !            |                                         |                  |              | 12           | 12           | 12          | Žl                                               |
| -22/-23          | 1.6                                              |                             |              |              |                |                |                                                  |               |         |              |                 |               |         | ii           |                                         |                  |              | 15           | 15           | 15          | 20                                               |
| -24/-25          | . 5                                              |                             |              |              |                | l              |                                                  |               |         |              |                 |               |         | 1            |                                         |                  |              | 5            | 5            | 5           | 22                                               |
| -26/-27          | •4                                               |                             | 1            |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              | 4            | 4            | 4           | 23                                               |
| -28/-29          | .5                                               | İ                           |              |              |                | i              | ; ;                                              |               |         | 1            |                 |               |         |              |                                         |                  | !            | 5            | 5            | 5           | 17<br>21<br>20<br>22<br>23<br>6                  |
| -30/-31          | • 5                                              |                             |              |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              | 3            | 3            | 3           | 14                                               |
| -32/-33          | . 2                                              |                             |              |              |                | Į              |                                                  |               |         | İ            |                 |               |         | `            |                                         |                  |              | 2            | 2            | 2           | 14                                               |
| -34/-35          | .1                                               |                             |              |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              | 1            | 1            | 1           | 6                                                |
| -36/-37          |                                                  |                             |              |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  | ļ            |              |              |             | 6                                                |
| -38/-39          |                                                  |                             |              |              |                |                |                                                  |               |         |              |                 | i i           |         |              |                                         |                  |              | ]            |              |             | 2                                                |
| -40/-41<br>TUTAL |                                                  |                             | L            |              |                | <u> </u>       |                                                  |               |         |              |                 |               |         |              |                                         |                  | <u>.</u>     |              |              |             | 930                                              |
| TOTAL            | 29.2                                             | 27.6                        | 18.0         | 13.8         | 7.4            | 3.3            | -6                                               | l i           |         | [            |                 |               |         | 1 1          |                                         |                  |              |              | 930          |             | 930                                              |
|                  |                                                  |                             | ļ<br>        |              |                |                |                                                  |               |         |              |                 | <u> </u>      |         |              |                                         |                  |              | 930          |              | 930         |                                                  |
|                  |                                                  |                             |              |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              | 1 .          |              |             | 1                                                |
|                  |                                                  |                             | <u> </u>     |              |                |                |                                                  |               |         |              |                 |               |         |              |                                         |                  |              |              |              |             |                                                  |
| 1                |                                                  |                             |              |              |                | 1              | ]                                                |               |         |              |                 |               |         |              |                                         |                  |              |              |              |             | ! [                                              |
|                  |                                                  |                             | <u> </u>     |              | <u> </u>       |                |                                                  |               |         | ļ            |                 |               |         |              | • • • • • • • • • • • • • • • • • • • • |                  |              |              |              | ļ           |                                                  |
|                  | 1<br>                                            |                             |              |              |                |                |                                                  | l i           |         |              | ĺ               |               |         |              |                                         |                  |              |              |              |             |                                                  |
|                  | ļ                                                | ļ                           |              |              | <u> </u>       | <u> </u>       |                                                  |               |         | ļ            | ļ               |               |         |              |                                         |                  | <u> </u>     |              |              |             |                                                  |
|                  |                                                  | ļ                           |              | ì            |                |                |                                                  |               |         |              |                 |               |         | i            |                                         | İ                | 1            |              |              |             |                                                  |
|                  | <u> </u>                                         | ļ                           |              |              |                | <del> </del>   | <del></del>                                      |               |         | <u> </u>     |                 | <u> </u>      |         | <b>!</b>     |                                         |                  |              |              |              |             |                                                  |
|                  |                                                  |                             | ļ            |              |                | i              |                                                  |               |         | I            |                 |               |         | ŀ            |                                         |                  | İ            |              |              |             | 1 1                                              |
|                  | ļ                                                |                             | <del> </del> |              | ļ              | <b></b> -      | <u> </u>                                         |               |         | <u> </u>     | <u> </u>        | <del>  </del> |         | ļ            |                                         |                  |              |              |              | ļ           | <b></b>                                          |
|                  | İ                                                | İ                           |              |              | 1              |                | '                                                | : l           |         |              |                 |               |         |              |                                         |                  |              |              |              |             | 1 1                                              |
|                  | <u> </u>                                         |                             | <del> </del> |              |                | <del></del>    | <del>                                     </del> |               |         |              |                 |               |         |              |                                         |                  |              |              |              | <b> </b>    | <b>——</b>                                        |
| 1                | 1                                                |                             |              |              | ĺ              |                |                                                  |               |         | 1            |                 |               |         |              |                                         |                  |              |              |              |             |                                                  |
|                  |                                                  | <del> </del>                |              | i            | <del> </del> - |                | <del> </del>                                     |               |         | <del> </del> | <del> </del>    | <del>  </del> |         |              |                                         | <del></del>      |              | <del> </del> |              | <b>  </b>   | <del>                                     </del> |
|                  | 1                                                |                             | ĺ            |              |                |                |                                                  | i l           |         |              |                 |               |         |              |                                         |                  |              |              |              | ĺ           |                                                  |
|                  | <del> </del>                                     | <b> </b>                    | <del> </del> |              |                |                | <del> </del> -                                   | <del>  </del> |         | -            | <del> </del>    |               |         | <del> </del> |                                         |                  | <del> </del> | <del> </del> |              | <b> </b>    | <del> </del>                                     |
| 1                |                                                  | ]                           | 1            | ]            |                |                | 1                                                |               |         |              |                 |               |         |              |                                         |                  |              |              |              |             |                                                  |
| Element (X)      |                                                  | Σ <sub>X</sub> <sup>2</sup> | 1            | <del> </del> | Z <sub>X</sub> | <b>ــ ا</b> ــ | X                                                | ₹ v           |         | No. Ol       | <u> </u>        | i             |         | ا            | Mean M                                  | to, of H         | Dir. wit     | h Tempara    | ure          |             |                                                  |
| Rel. Hum.        | <del>                                     </del> |                             | 3601         |              | 601            | 81             |                                                  | 13.0          | 92      |              | 30              | 101           | -       | ≤ 32 F       | ≥ 67                                    |                  | 73 F         | ≥ 80 F       | 2 93 1       | F           | Total                                            |
| Dry Bulb         | <del>                                     </del> | 66                          | 6684         | ]            | 156            | 00             | 16.8                                             | 20.8          | 80      | <del></del>  | 30              | 24            | . 8     | 65.9         |                                         | <del>-   -</del> |              | - 50 .       | · · · · ·    | <del></del> | 93                                               |
| Wet Bulb         | <del>                                     </del> |                             | 8731         |              | 131            |                | 14.1                                             | 18.6          | 80      |              | 30              | 25            | . 8     | 75.3         |                                         | <del> -</del> -  |              | <del></del>  |              | _           | 93                                               |
| Dew Point        | <del> </del>                                     |                             | 8902         |              |                | 96             | 6.3                                              | 18.8          | 91      | 9            | 30              | 31            | .6      | 90,7         |                                         |                  |              | <del> </del> | <del> </del> |             | 93                                               |
| L                |                                                  |                             |              | 3            |                |                |                                                  |               |         | <u>_</u>     | - <del></del> 1 |               | - 171   |              |                                         |                  |              | -            |              |             |                                                  |

| Element (X) | Σχ2     | ZX    | X "x       | No. Obs. | Mean No. of Hoors with Temperature |    |
|-------------|---------|-------|------------|----------|------------------------------------|----|
| Rel. Hum.   | 4053601 | 60181 | 64.713.092 | 930      | ± 0 F                              |    |
| Dry Bulb    | 666684  | 15600 | 16.820.880 | 930      | 24.8 65.9                          | 13 |
| Wet Bulb    | 508731  | 13101 | 14.118.680 | 930      | 25.8 75.3                          | 13 |
| Dew Point   | 368902  | 5896  | 6.318.891  | 930      | 31.6 90.7                          | 13 |

## PSYCHROMETRIC SUMMARY

| STATION    | MA  | LMST  | RUM   | AFB<br>51 | MT/G           | REAT   | FAL      | LS      |          | 08-       | 77_      |                                         |         | YE         | ARS     |          |         |            |          | — JA          | AN<br>HTH |
|------------|-----|-------|-------|-----------|----------------|--------|----------|---------|----------|-----------|----------|-----------------------------------------|---------|------------|---------|----------|---------|------------|----------|---------------|-----------|
|            |     |       |       |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | PAGE       | : 1<br>  | 0300-         |           |
| Temp       |     |       |       |           |                |        |          |         |          | REDEPR    |          |                                         |         |            |         |          |         | TOTAL      |          | TOTAL         |           |
| (F)        | 0   | 1 - 2 | 3 - 4 | 5 - 6     |                | 9 - 10 | 11 - 12  | 13 - 14 | 15 - 1   | 6 17 - 18 | 19 - 20  | 21 - 22                                 | 23 - 24 | 25 - 26    | 27 - 28 | 29 - 30  | ≥ 31    | D.B./W.B.  | Dry Bulb | Wet Bulb      | Dew F     |
| 54/ 53     |     |       |       |           | • 2            | • 1    | •        | 1       |          | 1         | 1        |                                         |         |            |         |          |         | 3          | 3        |               |           |
| 52/ 51     |     |       |       | • 1       |                |        | <u> </u> |         |          |           |          |                                         |         |            |         |          |         | 1          | 1        | İ '           | ĺ         |
| 50/ 49     |     |       |       | • 2       | • 1            | • 1    | .1       | 1       |          |           | 1        |                                         |         |            |         |          |         | 5          | 5        |               |           |
| 8/ 47      |     |       |       | .1        | •2             | • 3    | .2       |         |          |           |          |                                         |         |            |         |          |         | 8          | 8        | ·             |           |
| 6/ 45      |     |       | • 3   |           |                | • 8    | •2       |         |          | Ì         | 1        |                                         |         |            |         |          |         | 26         | 26       | 3             |           |
| 44/ 43     |     |       |       | 1.7       | .8             | • 8    |          |         | _        |           | <u> </u> |                                         |         |            |         |          |         | 32         | 32       | 3             |           |
| 2/ 41      |     |       | 1.3   | 1.9       | 1.0            | • 1    |          |         |          |           |          |                                         |         |            |         |          |         | 41         | 41       | 7             |           |
| 0/ 39      |     |       | • 8   | 2.5       | 1.1            | • 1    |          |         | <u></u>  |           |          | ·                                       |         |            |         |          |         | 41         | 41       | 15            |           |
| 38/ 37     |     | • 1   | 1.5   |           |                |        | ]        |         |          |           | 1        | j                                       |         |            |         |          |         | 36         | 36       | 43            |           |
| 6/ 35      | • 1 | • 2   | .6    | 1.3       | ,9             |        |          |         | <u> </u> |           |          |                                         |         |            |         |          |         | 29         | 29       | 43            | )<br>}    |
| 14/ 33     | • 1 | .4    | • 8   | 1.7       | •6             |        | Ì        |         | İ        | İ         | i        |                                         |         |            | Í       |          |         | 34         | 34       | 52            |           |
| 12/ 31     | . 3 |       | 2.4   | 1.4       | , 3            |        |          |         |          | 1         |          |                                         |         |            |         |          |         | 41         | 41       | 45            | l         |
| 30/ 29     | • 3 | .5    | 2.3   | .6        |                |        |          |         |          |           | [        | I                                       |         |            |         |          |         | 35         | 35       | 36            |           |
| 8/ 27      | ,3  | .8    | 2.2   | .3        |                |        |          |         |          | 1         |          |                                         |         |            |         |          |         | 23         | 33       | 52            |           |
| 6/ 25      | • 1 | . 2   | 2.5   |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 26         | 26       | 42            | 1         |
| 4/ 23      |     | 2.2   | 1.4   | . 1       |                |        | [        |         | 1        | 1         | [        |                                         |         | <b>i</b> ! |         |          |         | 35         | 35       | 35            | 1         |
| 2/ 21      | • 5 | 2.2   | 1.2   |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 36         | 36       | 53            |           |
| 0/ 19      | . 8 |       | 4     |           | . 1            |        | ļ        |         |          | -         | l        |                                         |         |            |         |          |         | 22         | 22       | 34            |           |
| 8/ 17      | . 3 | 2.2   | • 2   |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 25         | 25       | 25            |           |
| 6/ 15      | . 3 | 2.6   | • 3   |           |                |        | Ī        |         |          |           |          |                                         | ĺ       |            |         |          |         | 30         | 30       | 35            |           |
| 4/ 13      | .4  | 1.0   | • 2   |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 15         | 16       | 24            |           |
| 2/ 11      | . 3 | 1.6   | • 1   |           |                |        | ĺ        |         |          |           | 1        | [                                       |         | ĺĺ         | i (     |          |         | 19         | 19       | 13            |           |
| 0/ 9       | 1.4 | 1.2   | • 1   |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 25         | 26       | 28            |           |
| 8/ 7       | .6  | 1.4   |       |           |                |        |          |         |          |           |          | 1                                       |         |            |         |          |         | 19         | 19       | 20            | İ         |
| 6/ 5       | . 3 | 1.5   |       |           |                |        |          |         |          |           |          | 1                                       |         |            |         |          |         | 17         | 19       | 17            |           |
| 4/ 3       | , 4 | . 8   |       |           |                |        |          |         | 1        | 1         | <u> </u> | İ                                       |         | _          |         |          |         | 11         | 11       | 14            | ļ         |
| 2/ 1       | • 4 | 2.3   |       |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 25         | 25       | 18            |           |
| 0/ -1      | 1.1 | .3    |       |           |                |        |          |         | .[       | [         | 1        | 1                                       |         |            | l [     |          |         | 13         | 13       | 24            | Į.        |
| -2/ -3     | . 8 | .4    |       |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 11         | 11       | 11            |           |
| 4/ -5      | 2.9 | .6    |       |           |                |        |          |         |          |           | 1        |                                         |         | 1          |         |          |         | .33        | 33       | 30            | ļ         |
| 6/ -7      | 2.6 | • 4   |       |           |                |        | Ĭ        |         |          |           |          |                                         |         |            |         |          |         | 28         | 28       | 32            |           |
| 8/ -9      | 2.7 | .1    |       |           |                |        | <u> </u> |         |          |           |          | 1                                       |         | Ĺ          |         |          |         | 26         | 26       | 27            | į         |
| 0/-11      | 2.3 | • 1   |       |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         | 22         | 23       | 21            | l         |
| 2/-13      | 2.7 |       |       | L         | L              |        | <u></u>  | <u></u> |          |           | <u> </u> | <u> </u>                                |         |            |         |          |         | 25         | 25       | 26            |           |
| lement (X) |     | Σχ¹   |       |           | z <sub>X</sub> |        | X        | •       |          | No. O     | bs.      |                                         |         |            | Mean N  | o. of He | urs wit | h Temperat | ure      | البيث التسميد |           |
| el. Hum.   |     |       |       |           |                |        |          |         |          |           |          | ≤ 0                                     | F :     | 32 F       | ≥ 67    | F 2      | 73 F    | > 80 F     | ≥ 93 F   | ·   ·         | Total     |
| ry Bulb    |     |       |       |           |                |        |          |         |          |           |          |                                         |         |            |         |          |         |            | T        |               |           |
| et Bulb    |     |       |       |           |                |        |          |         |          |           |          | *************************************** |         |            |         |          |         | 1          | 1        |               | ~         |
| ew Point   |     |       |       |           |                |        |          | T       |          |           |          |                                         |         |            |         |          |         |            |          |               |           |

(OL A) REVISED MEYOUS EDITIONS OF THIS FORM ARE CASOLETE

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FORM 0-26-5 (OLA)

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#### **PSYCHROMETRIC SUMMARY**

MALHSTROM AFB MT/GREAT FALLS JAN 24112 STATION VEARS MONTH 0300-0500 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 -14/-15 2.8 26 26 26 19 -16/-17 10 28 -18/-19 22 1.0 0 23 -20/-21 14 21 -22/-23 10 10 10 1.1 -24/-25 7 17 7 21 -26/-27 7 7 -28/-29 8 8 8 10 -30/-31 -32/-33 6 10 -34/-35 -36/-37 6 -38/-39 -40/-41 TOTAL 32.924.218.614.6 6.6 2.3 925 925 925 Zx' Element (X) No. Obs. Mean No. of Hours with Tamperature •▲ 65.213.110 4092318 60320 925 Rel. Hum. ≥ 67 F × 73 F 40 F ≤ 32 F ≥ 93 F 930 16.121.054 25.6 67,4 93 14951 Dry Bulb 652165 500458 12528 925 26.9 13.518.921 76,3 93 Wet Bulb 93 Dew Point 365935 5,919,008

## **PSYCHROMETRIC SUMMARY**

| 24112       | MA           | LMST  | ROM   | AFB                                              | MT/G         | REAT                                             | FAL      | L\$          |                                                  | 68                                               | -77          |              |                 |               |                                                  |               |                                                  |           |          |          | AN                                    |
|-------------|--------------|-------|-------|--------------------------------------------------|--------------|--------------------------------------------------|----------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|-----------------|---------------|--------------------------------------------------|---------------|--------------------------------------------------|-----------|----------|----------|---------------------------------------|
| STATION     | •            |       |       | \$1                                              | ATION N      | AME                                              |          |              |                                                  |                                                  |              |              |                 | YŁ            | .ARS                                             |               |                                                  |           |          |          | NTH                                   |
|             |              |       |       |                                                  |              |                                                  |          |              |                                                  |                                                  |              |              |                 |               |                                                  |               |                                                  | PAGI      | E 1      |          | -0800                                 |
|             |              |       |       |                                                  |              |                                                  |          |              |                                                  |                                                  |              |              |                 |               |                                                  |               |                                                  | ,         |          |          | L. S. T.)                             |
| Temp        | ·<br>        |       |       |                                                  |              |                                                  | BULB     |              |                                                  |                                                  |              |              |                 | - <del></del> |                                                  |               |                                                  | TOTAL     | ļ        | TOTAL    | ,                                     |
| (F)         | 0            | 1 - 2 | 3 · 4 | 5 - 6                                            | 7 - 8        | 9 - 10                                           | 11 - 12  | 13 - 14      | 15 - 1                                           | 6 17 - 1                                         | 8 19 - 2     | 20 21 - 22   | 23 - 2          | 4 25 - 26     | 27 - 28                                          | 29 - 30       | ≥ 31                                             | D.B./W.B. |          | Wet Bulb | Dew Point                             |
| 54/ 53      |              |       |       |                                                  | , l          | • 2                                              |          |              |                                                  |                                                  |              |              |                 |               |                                                  |               | 1                                                | 3         | 3        |          |                                       |
| 52/ 51      |              |       |       |                                                  |              | • 1                                              |          |              |                                                  |                                                  |              |              | <u> </u>        | <u> </u>      |                                                  |               | <u> </u>                                         | 1         | 1        | <u> </u> |                                       |
| 50/ 49      |              |       |       | • 1                                              | • 2          | • 3                                              | • 1      |              | ļ                                                |                                                  |              |              |                 | 1             |                                                  |               | 1                                                | 7         | 7        | ļ        |                                       |
| 48/ 47      |              |       | • 1   | .1                                               | . 4          | • 3                                              | .3       |              |                                                  | ļ                                                | <b>-</b>     |              |                 | <del> </del>  |                                                  |               | ļ                                                | 12        | 12       |          | ļ                                     |
| 46/ 45      |              |       | • 3   | • 6                                              | • 6          | • 3                                              |          |              |                                                  |                                                  |              |              |                 |               | 1 1                                              |               |                                                  | 19        | 19       | 3        | <u> </u>                              |
| 44/ 43      |              |       | • 5   | 1.5                                              | • 5          | • 4                                              | •2       | •1           | <u> </u>                                         | ┿                                                | <b></b>      |              | —               | '             | <del>  </del>                                    |               | <del> </del>                                     | 31        | 31       | 2        |                                       |
| 42/ 41      |              |       | . 9   | 1.4                                              | •9           | •8                                               |          | i            | 1                                                |                                                  | İ            |              | 1               | 1             |                                                  |               |                                                  | 36        | 36<br>39 | 12       |                                       |
| 40/ 39      |              |       | 1.7   |                                                  | 1.0          | ,2                                               |          |              | ├                                                | ┥—                                               | +            |              |                 |               |                                                  |               | <del></del>                                      | 39        | 32       | 22       | 7                                     |
| 38/ 37      |              |       | 1.1   | 1.8                                              | ,5           |                                                  |          | 1            |                                                  | İ                                                | İ            | į.           |                 |               | ]                                                |               |                                                  | 32<br>38  | 38       | 31       |                                       |
| 36/ 35      | • 1          | . 2   | 1.1   | 2.4                                              | ,2           | •1                                               | -        |              |                                                  |                                                  | +            | +            | ┼               | -}            |                                                  |               | <del> </del> -                                   | 50        | 50       | 40       | 10                                    |
| 34/ 33      |              | • 9   |       | 2.9                                              |              | •1                                               |          |              |                                                  |                                                  | -            |              |                 |               |                                                  |               | ł                                                | 33        | 33       |          | 22                                    |
| 32/ 31      | - 3          | . 8   |       |                                                  |              | <u></u>                                          |          |              |                                                  |                                                  | +            | +            | <del> </del> -  |               | 1 1                                              |               | <del> </del>                                     | 26        | 26       | 56<br>47 | 34                                    |
| 30/ 29      | .2           |       |       |                                                  | • 1          |                                                  |          |              |                                                  |                                                  | İ            |              | ĺ               |               | 1 1                                              |               |                                                  | 31        | 31       | 46       | 40                                    |
| 28/ 27      | • 1          | . 8   |       |                                                  |              |                                                  |          | <b> </b>     |                                                  | <del>                                     </del> | -            | -            | ╁──             |               |                                                  |               | <del> </del>                                     | 33        | 33       | 40       | 27                                    |
| 26/ 25      | • 2<br>• 4   |       | 2.6   |                                                  |              |                                                  |          |              | ļ                                                |                                                  |              | ı            |                 |               |                                                  |               | 1                                                | 43        | 43       |          | 25                                    |
| 24/ 23      |              |       |       |                                                  |              |                                                  |          | <del> </del> |                                                  | -                                                | <del> </del> | <del> </del> | <del> </del> -  | <del> </del>  |                                                  |               | <del> </del>                                     | 27        | 27       | 49       | 49                                    |
| 22/ 21      | . 1          |       |       |                                                  | i            |                                                  |          |              |                                                  | 1                                                |              |              | 1               |               |                                                  |               | 1                                                | 25        | 25       | 33       | 53                                    |
|             | <u>, 4</u>   | 1.2   |       |                                                  |              |                                                  |          |              |                                                  |                                                  | _            | -            | -               | <del>-}</del> | 11                                               |               | <del>                                     </del> | 17        | 17       | 26       | 54                                    |
| 18/ 17      | ر .          | 2.2   | • 3   |                                                  |              |                                                  |          |              |                                                  |                                                  |              |              | ł               |               | 1. 1                                             |               | 1                                                | 23        | 23       | 21       | 52                                    |
| 14/ 13      | . 3          |       |       |                                                  |              | '                                                |          | <b></b>      |                                                  | +                                                |              | -            | ┼               | -             | -                                                |               | <del> </del>                                     | 19        | 19       | 23       | 40                                    |
| 12/ 11      | 4            |       |       |                                                  |              | j                                                |          |              | }                                                |                                                  |              |              | İ               |               |                                                  |               |                                                  | 20        | 20       |          | 28                                    |
| 10/ 9       | 1.4          |       |       |                                                  |              |                                                  |          | <del> </del> | <del> </del>                                     | -                                                | +            |              | <del>├</del> ── | <del> </del>  | <del>  </del>                                    |               | <del> </del>                                     | 26        | 26       | 27       |                                       |
| 8/ 7        | 1.0          | 1.2   |       |                                                  |              |                                                  |          | į            | 1                                                |                                                  | 1            |              |                 |               |                                                  |               | 1                                                | 20        | 20       |          | 36                                    |
| 6/ 5        | .5           | 1.6   |       |                                                  |              |                                                  | l        | ·            | -                                                | +                                                | +-           | +            | $\vdash$        |               | <del>                                     </del> |               | <del> </del>                                     | 20        | 21       | 19       | 21                                    |
| 4/ 3        | .3           | 1.5   |       |                                                  |              | ŀ                                                |          |              |                                                  |                                                  |              | 1            |                 |               |                                                  |               |                                                  | 17        | 17       | 16       | •                                     |
| 2/ 1        | .9           |       |       | -                                                |              |                                                  |          |              |                                                  |                                                  | +            | <del></del>  | +               | <del></del>   | <del>                                     </del> |               | <del>                                     </del> | 25        |          | 22       |                                       |
| 0/ -1       | 1.5          |       |       |                                                  |              |                                                  |          | 1            |                                                  |                                                  |              |              |                 |               | 1 1                                              |               | ŀ                                                | 16        |          |          |                                       |
| -2/ -3      | .5           |       |       |                                                  | <del> </del> | <u>.                                      </u>   |          | <u> </u>     | <u> </u>                                         | +                                                | +-           | +            | ╁               | +             |                                                  |               | <del> </del>                                     | 7         | 7        | 7        |                                       |
| -4/ -5      | 2.3          | .3    |       |                                                  |              |                                                  |          |              | 1                                                |                                                  |              |              | 1               | 1             |                                                  |               |                                                  | 24        | 24       | 23       |                                       |
| -6/ -7      | 2.4          |       | -     | <b> </b>                                         | <del> </del> | <b> </b>                                         | <b>†</b> | <del> </del> | <del> </del>                                     | +                                                | +-           | 1            | T               | 1             | <del>                                     </del> |               | <del>                                     </del> | 28        | 28       | 25       | 16                                    |
| -8/ -9      | 3.4          | .2    |       |                                                  |              |                                                  |          |              |                                                  |                                                  |              |              |                 | 1             |                                                  |               |                                                  | 34        | 34       | 39       |                                       |
| -10/-11     | 2.8          |       |       | <del>                                     </del> | <b></b>      | <del>                                     </del> |          | <b>-</b>     | <del>                                     </del> | +-                                               | +            | +            | <del> </del>    | <del>- </del> | <del>  </del>                                    |               | <b>†</b>                                         | 28        |          |          |                                       |
| -12/-13     | 2.7          | 1     |       |                                                  |              | ļ                                                |          | ļ            | 1                                                |                                                  |              |              | İ               | 1             |                                                  |               |                                                  | 26        | 26       | 28       | 23                                    |
| Element (X) |              | Σχ²   |       |                                                  | žχ           |                                                  | X        | <b>₹</b>     | T                                                | No.                                              | Obs.         | 7            |                 | <del></del>   | Meon N                                           | o. of H       | ours wit                                         | h Tempera |          |          | · · · · · · · · · · · · · · · · · · · |
| Rel. Hum.   | <del> </del> |       |       |                                                  | ····         |                                                  |          | T            | $\neg$                                           |                                                  |              | _ ≤ 0        | F               | ± 32 F        |                                                  | F I           |                                                  | ≥ 80 F    | 2 93     | F        | Total                                 |
| Dry Bulb    |              |       |       |                                                  |              |                                                  | -        |              |                                                  |                                                  |              | T            |                 |               | i                                                | _ _           |                                                  | <u> </u>  |          |          |                                       |
| Wet Bulb    |              |       |       |                                                  |              |                                                  |          | <b>†</b>     |                                                  |                                                  |              | 1            |                 |               |                                                  | $\neg \vdash$ |                                                  |           |          |          |                                       |
| Dew Point   |              |       |       | 1                                                |              |                                                  |          |              | $\neg$                                           |                                                  |              | 1            |                 |               |                                                  |               |                                                  |           | 1        |          |                                       |

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## PSYCHROMETRIC SUMMARY

| 4112<br>STATION | 13.00 | LMST  |              |              | ATION N | AME                                               |          |       |          | <u> </u>     | <del></del>  |              |         | YE           | ARS       |         |             |                                       |          | JA            | TH .  |
|-----------------|-------|-------|--------------|--------------|---------|---------------------------------------------------|----------|-------|----------|--------------|--------------|--------------|---------|--------------|-----------|---------|-------------|---------------------------------------|----------|---------------|-------|
| 312104          |       |       |              | J.           |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | PAGE                                  | 2        | 0600-         | -080  |
| Temp            |       |       |              |              |         | WET                                               | BULB 1   | EMPER | ATURE    | DEPRE        | SSION (      | F)           |         |              |           |         |             | TOTAL                                 |          | TOTAL         |       |
| (F)             | 0     | 1 - 2 | 3 - 4        | 5 - 6        | 7 - 8   |                                                   |          |       |          |              |              |              | 23 - 24 | 25 - 26      | 27 - 28 2 | 9 - 30  | <b>≥</b> 31 | D.B./W.B.                             | Ory Bulb | Wet Bulb      | Dew P |
| 14/-15          | 2.5   |       |              |              |         |                                                   |          |       |          | 1            |              |              |         |              | 1         |         |             | 23                                    | 23       | 23            | 2     |
| 16/-17          | .6    |       |              |              |         |                                                   |          |       |          |              |              |              |         |              | - 1       | •       |             | 6                                     | 6        | 6             | Ž     |
| 18/-19          | 1.3   |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | 12                                    | 12       | 12            |       |
| 20/-21          | 1.6   |       |              |              |         |                                                   |          |       |          | j            | 1            |              |         | 1 1          |           | 1       |             | 15                                    | 15       | - 15          |       |
| 22/-23          | . 8   |       |              | l            |         |                                                   |          |       |          | 1            |              |              |         |              |           |         |             | 7                                     | 7        | 7             | 7     |
| 24/-25          | 1.1   |       |              |              |         |                                                   |          |       |          |              | ł            |              |         | 1 1          | 1         | ļ       |             | 10                                    | 10       | 10            | 1     |
| 26/-27          | .3    |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | 3                                     | 3        | 3             |       |
| 28/-29          | . 8   |       |              |              | ,       |                                                   |          |       |          | ļ            |              |              |         |              |           | -       |             | 7                                     | 7        | 7             | 1     |
| 30/-31          | • 2   |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | 2                                     | 2        | 2             |       |
| 32/-33          | . 8   |       |              | İ            |         |                                                   |          |       |          |              |              |              |         |              |           |         | _           | 7                                     | 7        | 7             |       |
| 34/-35          | .1    |       |              | l            |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | 1                                     | 1        | 1             |       |
| 36/-37          |       |       |              |              |         |                                                   |          |       | <u>.</u> | <u></u>      |              |              |         | <u>i</u>     |           |         |             |                                       |          |               |       |
| 38/-39          |       |       |              |              |         |                                                   |          |       |          |              |              |              |         | $\Box \Box$  |           |         |             |                                       |          |               |       |
| 40/-41          |       |       |              |              |         |                                                   |          |       |          | ļ            |              |              |         |              |           |         |             |                                       |          | L             |       |
| 42/-43          |       |       |              |              |         |                                                   |          |       |          |              |              |              |         | .            |           |         |             |                                       |          |               |       |
| DTAL            | 32.6  | 25.4  | 18.4         | 14.6         | 5.2     | 2.9                                               | .8       | .1    |          |              |              |              |         |              |           |         |             |                                       | 930      | <del>  </del> | 97    |
| - ;             |       |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | 1929                                  |          | 929           |       |
|                 |       |       |              |              |         |                                                   |          |       |          |              | '            |              |         |              |           |         |             |                                       | 1        | 1 1           |       |
|                 |       |       |              | <del> </del> |         |                                                   |          |       | <u> </u> |              | <del> </del> |              |         |              |           |         |             | <del> </del>                          |          | ├──┤          |       |
| İ               |       |       |              |              |         |                                                   |          |       | ĺ        | İ            | į            |              |         |              |           | ļ       |             |                                       |          |               |       |
|                 |       |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             | i i                                   |          |               |       |
|                 | -     |       |              |              |         |                                                   | ļ        |       | ļ        | <del> </del> | ļ            | <u> </u>     |         |              |           |         |             |                                       |          |               |       |
|                 |       |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           | İ       |             | !                                     |          |               |       |
|                 |       |       |              |              | ļ       | <b></b>                                           | 1        |       | i        | †            |              |              |         |              |           | $\neg$  | <del></del> |                                       |          |               |       |
|                 |       |       | ļ            |              |         |                                                   |          |       |          | <u> </u>     | ļ            | !            |         | -            |           |         |             |                                       |          |               |       |
|                 |       |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             |                                       |          |               | i     |
|                 |       | ļ     | <del> </del> | <del></del>  |         |                                                   | $\vdash$ |       | -        | <del> </del> | <del> </del> | <del> </del> |         | <del> </del> |           | -+      |             | · · · · · · · · · · · · · · · · · · · |          | <del></del>   |       |
|                 |       |       |              |              |         |                                                   | <u> </u> |       |          | <u> </u>     | <u></u>      |              |         |              |           |         |             |                                       |          | <u> </u>      |       |
|                 |       |       |              |              |         |                                                   |          |       |          |              |              |              |         |              |           |         |             |                                       |          |               |       |
| Element (X)     | ·     | Σχ'   | i            |              | ZX      | <del>'                                     </del> | X        | •,    |          | No. O        | bs.          | <u> </u>     |         | <u> </u>     | Meon No   | o of Ho | urs wit     | h Temperati                           | nte      | ·             |       |
| Rel. Hum.       |       | 409   | 3559         |              | 604     |                                                   | 65.1     |       |          |              | 29           | ≤ 0          |         | ⊴ 32 F       | ≥ 67 1    | 2 7     | 73 F        | ≥ 80 F                                | ≥ 93 1   | F T           | Total |
|                 |       | 64    | 9101         |              | 147     |                                                   | 15.9     |       |          | ς            | 30           | 25           | -6      | 66.2         |           |         |             |                                       |          |               |       |
| Dry Bulb        |       |       | 9153         |              | 123     |                                                   | 13.3     |       |          |              | 29           | 26           |         | 77.9         |           |         |             |                                       |          |               |       |

## **PSYCHROMETRIC SUMMARY**

| STATION  | MALMST          | KUM   | F. 7 D ST | ATION NA | KEA I        | PALI         | -3      |         | 68-     | 17       |          |      | Y          | ARS        |        |                | -         |           | NOW.                                                | TH TH    |
|----------|-----------------|-------|-----------|----------|--------------|--------------|---------|---------|---------|----------|----------|------|------------|------------|--------|----------------|-----------|-----------|-----------------------------------------------------|----------|
|          |                 |       |           |          |              |              |         |         |         |          |          |      |            |            |        |                | PAGE      | 1 .       | 0900-                                               | 1100     |
| Temp.    |                 |       |           |          | WET          | BULB T       | EMPER   | ATURE   | DEPRI   | SE:ON    | F}       |      |            |            |        |                | TOTAL     |           | TOTAL                                               |          |
| (F)      | 0 1 - 2         | 3 - 4 | 5 - 6     | 7 - 8    | 9 - 10       | 11 - 12      | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20  | 21 - 22  | 23 - | 24 25 - 26 | 27 - 28    | 29 - 3 | 2 31           | D.B./W.B. | ry Bulb 1 | Wet Bulb [                                          | Dew Por  |
| 0/ 59    |                 |       |           |          | i            |              | .1      |         |         |          | Ī [      |      | -          |            |        | 1              | 1         | 1         |                                                     |          |
| 8/ 57    | [               |       |           |          |              | • 1          | _ 1     |         |         |          | ļį       |      |            |            |        |                | 1         | 1         |                                                     |          |
| 6/ 55    | 1               |       |           |          | • 1          |              | • 1     | ,1      |         |          |          |      |            |            |        |                | 3         | 3         |                                                     |          |
| / 53     |                 |       | • 1       | .1       | • 1          | . 2          | . 1     |         |         |          | <u> </u> |      |            |            |        |                | 6         | 6         |                                                     |          |
| 2/ 51    |                 | • 1   | . 1       | . 4      | . 3          |              | . 1     | • 1     |         |          | i        |      |            |            |        |                | 11        | 11        |                                                     |          |
| 0/ 49    |                 | -1    | . 2       | . 3      | • 3          | .1           | . 2     | . 1     |         |          |          |      |            |            |        | <u> </u>       | 13        | 13        |                                                     |          |
| 8/ 47    |                 | • 1   | • 6       | . 5      | • 1          | . 4          | • 1     |         |         |          |          |      |            |            |        |                | 18        | 18        | 2                                                   |          |
| 6/ 45    | i               | _ • 5 |           | i.û      | . 5          | . 4          | ءَ و    |         |         |          |          |      |            |            |        | <u> </u>       | 27        | 27        | 8                                                   |          |
| 4/ 43    | i i             | • 3   |           | • 9      | 1.0          | . 2          | • 1     |         |         |          |          |      |            |            |        |                | 32        | 32        | 13                                                  |          |
| 2/ 41    |                 | . 8   | 1.2       | 1.1      | • 4          |              |         |         |         |          |          |      |            |            |        | l              | 32        | 32        | 16                                                  |          |
| 0/ 39    | • 3             | • 5   |           | 1,5      | 74           | 1            |         |         |         |          | l (      |      | 1          |            |        |                | 44        | 44        | 17                                                  |          |
| 8/ 37    | • 1             | • 5   |           |          | • 2          |              |         |         |         |          |          |      | <u> </u>   |            |        |                | 1,4       | 44        | 33                                                  |          |
| 5/ 35    | 1               | 1.6   |           |          | • 3          |              | İ       |         |         |          |          |      | 1          |            |        | 1              | 44        | 44        | 41                                                  | 1        |
| / 33     | .2 .9<br>.1 .2  | 1.7   |           |          |              |              |         |         |         |          |          |      |            |            |        | <u> </u>       | 50        | 50        | 52                                                  |          |
| 2/ 31    | .1 .2           |       |           | • 8      | ĺ            |              |         |         |         |          | 1        |      | ]          |            |        |                | 29        | 29        | 69                                                  | 1        |
| 1/ 29    | • 2 • 4         | 1.4   | 1.4       |          |              |              |         |         |         |          |          |      |            |            |        | <u> </u>       | 32        | 32        | 63                                                  |          |
| 3/ 27    | .6              | 1.7   | . 9       |          |              | -            |         |         |         |          | i        |      |            | i i        |        |                | 30        | 30        | 30                                                  | 3        |
| 6/ 25    | 6               | 1.8   |           |          |              |              |         |         |         |          |          |      |            |            |        | <u> </u>       | 25        | 25        | 42                                                  | 3        |
| 1/ 23    | .5 1.5          |       |           |          | - 1          | i            | Ì       |         |         |          |          |      |            |            |        | 1              | 28        | 28        | 45                                                  | 2        |
| 2/ 21    | .1 1.2          | . 9   |           |          |              |              |         |         |         |          |          |      |            |            |        | <del> </del>   | 20        | 20        | 39                                                  | 5        |
| 0/ 19    | 1.3             | • 2   |           |          | - 1          |              | İ       |         | İ       |          | [        |      | -          | 1          |        |                | 14        | 14        | 14                                                  | 6        |
| 3/ 17    | ,8 1.6          | . 5   |           |          |              |              |         |         |         |          |          |      |            |            |        | ļ              | 27        | 27        | 30                                                  | 4        |
| 6/ 15    | .1 1.6          | • 2   |           |          | İ            |              |         |         |         |          |          |      |            |            |        |                | 18        | 18        | 20                                                  | 4        |
| 4/ 13    | .2 1.3          | . 2   |           |          |              |              |         |         |         |          |          |      |            |            |        | ļ              | 16        | 16        | 25                                                  | <u>3</u> |
| 2/ 11    | .5 1.4          |       |           |          | l            | İ            | ŀ       |         |         |          | 1        |      | 1          |            |        | İ              | 18        | 18        | 14                                                  | 3        |
| 0/ 9     | 1.2 1.0         |       |           |          |              |              |         |         |         |          |          |      |            |            |        | <del> </del>   | 20        | 20        | 22                                                  |          |
| 8/ 7     | .2 1.3          | • 1   |           | . }      | l            |              |         |         |         |          |          |      | 1          |            |        | 1              | 15        | 15        | 13                                                  | 2        |
| 5/ 5     | .3 2.2          |       |           |          |              |              |         |         |         |          |          |      | _}         | <b> </b> i |        | <del> </del> - | 23        | 23        | 19                                                  | <u>i</u> |
| 4/ 3     | .1 1.6          |       |           | !        | 1            | i            | i       |         |         |          | , ,      |      | 1          | 1          |        | 1              | 16        | 16        | 18                                                  | 1        |
| 2/ 1     | -6 1.4          |       |           |          |              |              |         |         |         |          |          |      |            | ļ          |        | ↓              | 19        | 19        | 22                                                  | 1        |
| 0/ -1    | 2.3 .4          | į     |           |          |              |              |         |         |         |          |          |      |            |            |        |                | 25        | 25        | 30                                                  | ).       |
| 2/ -3    | 1.7 1.8         |       |           |          |              |              |         |         |         |          |          |      | _          |            |        | <del> </del>   | 33        | 33        | 31                                                  | <u>2</u> |
| 4/ -5    | 1.4 .4          |       |           |          |              |              |         |         |         |          |          |      |            |            |        | 1              | 17        | 17        | 20                                                  | į        |
| 6/ -7    | <u> </u>        |       | <b> </b>  | <u> </u> |              | <del>_</del> |         |         | N       | <u> </u> | اـــــا  |      | <u> </u>   | <u> </u>   |        |                | 26        | 26        | 29                                                  | <u>?</u> |
| ment (X) | Σ <sub>χ'</sub> |       |           | z x      |              | X            |         |         | No. Ob  | 5.       |          |      |            | ,          |        |                | Temperatu | ·         | <del></del>                                         |          |
| . Hum.   |                 |       | ļ         |          | <del> </del> |              |         | -       |         |          | 101      | -    | 1 32 F     | ≥ 67       | F      | 2 73 F         | ≥ 80 F    | ≥ 93 F    | <del>-   • • • • • • • • • • • • • • • • • • </del> | otal     |
| Bulb     |                 |       | l         |          | !            |              |         |         |         | 1        |          | 1    |            | L          |        |                | <u> </u>  | L         | - 1                                                 |          |

REVISED MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PM 0.26-5 (OL A)

USAFETAC PO

Wet Bulb Dew Point DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTPUM AFB

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USAFETAC

## PSYCHROMETRIC SUMMARY

| 10/-11<br>12/-13<br>14/-15                    | 0<br>3.0<br>2.9<br>2.7<br>1.7 | 1 · 2 | 3 - 4        | 5 - 6    |                                                  | REAT     |                |              |         |         |                                                  |          |         | ,,       | ARS       |             |             |             |          | нтн         |
|-----------------------------------------------|-------------------------------|-------|--------------|----------|--------------------------------------------------|----------|----------------|--------------|---------|---------|--------------------------------------------------|----------|---------|----------|-----------|-------------|-------------|-------------|----------|-------------|
| (F)<br>-8/-9<br>-10/-11<br>-12/-13<br>-14/-15 | 3.0<br>2.9<br>2.7             | 1 · 2 | 3 - 4        | 5 - 6    | T                                                | WET      |                |              |         |         |                                                  |          |         |          |           |             | PAGE        | : 2         | 0900-    | L. S. T.    |
| -8/ -9<br>10/-11<br>12/-13<br>14/-15          | 3.0<br>2.9<br>2.7             | 1 · 2 | 3 - 4        | 5 - 6    | 1                                                | 77 L     | BULB T         | EMPER        | ATURE   | DEPRE   | SSION                                            | (F)      |         |          |           |             | TOTAL       | ·····       | TOTAL    | <del></del> |
| 10/-11<br>12/-13<br>14/-15                    | 2.7                           |       |              |          | 7 - 8                                            | 9 - 10   | 11 - 12        | 13 - 14      | 15 - 16 | 17 - 18 | 19 - 20                                          | 21 - 22  | 23 - 24 | 25 - 26  | 27 - 28 2 | 9 - 30 2 31 | D.B./W.B.   | Dry Bulb    | Wet Bulb | Dew P       |
| 12/-13                                        | 2.7                           |       |              |          |                                                  | i        |                |              |         |         | i                                                |          |         |          |           |             | 28          | 28          | 28       | 2           |
| 12/-13                                        | 2.7                           |       |              |          | 1                                                | ļ I      |                |              |         | l       |                                                  |          |         |          | - 1       |             | 27          | 27          | 27       | 1           |
| 14/-15                                        |                               |       |              |          | 1                                                |          |                |              |         |         |                                                  |          |         | i        |           | 1           | 25          | 25          | 25       | 2           |
| 16/-17                                        | 40 (                          |       |              |          | ļ                                                | )        |                |              |         | Ì       | }                                                |          |         |          | į         | İ           | 16          | 16          | 16       | 3           |
| :                                             |                               |       |              |          | <u> </u>                                         | i        |                |              |         | i       |                                                  |          |         |          |           |             | 3           | 3           | 3        |             |
| 18/-19                                        | 1.3                           |       |              |          | 1                                                |          |                |              |         |         |                                                  |          |         |          | - 1       |             | 12          | 12          | 12       |             |
|                                               | 1.6                           |       | I            | i        | 1                                                |          |                |              |         |         | <del>                                     </del> |          |         | 1        |           |             | 15          | 15          | 15       |             |
| 22/-23                                        | .5                            |       | į            | 1        |                                                  | ļ        |                |              |         | ļ       | ļ                                                |          |         |          | - 1       | 1           | 5           | 5           | 5        |             |
| 24/-25                                        | .6                            |       |              |          |                                                  | 1        |                |              |         | 1       | İ                                                |          |         | 1 1      |           |             | 6           | 6           | 6        |             |
| 26/-27                                        | . 9                           |       |              |          |                                                  |          |                |              |         |         |                                                  | ļ [      | i.      |          | - 1       | 1           | 8           | 8           | 8        | t           |
| 28/-29                                        | . 3                           |       |              |          |                                                  |          |                |              |         | i       |                                                  |          |         | 1 1      |           |             | 3           | 3           | 3        | :           |
| 30/-31                                        | . 2                           |       | ļ            |          | 1                                                |          |                |              |         |         | 1                                                |          |         |          |           |             | 2           | 2           | 2        | ĺ '         |
| 32/-33                                        | . 1                           |       |              |          | <del>                                     </del> |          |                |              |         |         | 1                                                |          |         | 1        |           |             | 1           | 1           | 1        |             |
| 34/-35                                        | . 2                           |       |              |          | 1                                                |          |                |              |         |         | ĺ                                                |          |         |          |           |             | 2           | 2           | 2        |             |
| 36/-37                                        |                               |       |              | 1        | 1                                                | <u> </u> |                |              |         | 1       | İ                                                | 1        |         | 1        |           |             |             |             | ·        |             |
| 38/-39                                        |                               |       | ļ            |          |                                                  | i        |                |              |         | İ       | 1                                                | 1        |         |          | - 1       |             | i i         |             |          | <br>        |
| 40/-41                                        |                               |       | i            | <b> </b> | i                                                | i        |                |              |         |         | <u> </u>                                         |          |         |          |           |             |             | -           |          |             |
| 42/-43                                        | 1                             |       |              | į        | ļ                                                |          |                |              |         |         |                                                  | 1        |         | 1 1      |           |             |             |             | 1        |             |
| OTAL 2                                        | 9.5                           | 23.8  | 15.2         | 15.4     | 9.5                                              | 3,9      | 1.5            | 1.1          | .3      |         | 1                                                |          |         | 11       |           |             |             | 930         |          | 9:          |
| - "                                           | 1                             |       |              |          |                                                  | ' '      |                |              |         |         | 1                                                |          |         |          |           |             | 930         |             | 930      |             |
|                                               |                               |       |              | I -      |                                                  |          |                |              |         |         | 1                                                |          |         | 11       |           |             |             |             |          |             |
|                                               |                               |       | 1            | İ        |                                                  |          |                |              |         |         | 1                                                |          |         |          | -         | 1           | ]           |             |          |             |
|                                               |                               |       |              | 1        |                                                  |          |                |              |         |         | 1                                                |          |         |          |           |             |             |             | <u> </u> |             |
|                                               | į                             |       |              |          |                                                  | }        |                |              |         | l       |                                                  | ]        |         | 1 1      | - 1       | i           |             |             |          |             |
|                                               | Ī                             |       |              |          |                                                  |          |                |              |         |         | i                                                |          |         |          |           |             |             |             |          |             |
|                                               | !                             |       | Ĺ            |          |                                                  |          |                |              |         | L       |                                                  | L        |         |          |           |             |             |             | L _ '    |             |
|                                               |                               |       |              |          |                                                  |          |                |              |         |         |                                                  |          |         |          |           |             |             |             |          |             |
|                                               | }                             |       |              |          |                                                  |          |                |              |         | <u></u> |                                                  |          |         | ]]       |           |             | l           |             |          |             |
|                                               |                               |       |              |          |                                                  |          |                |              |         |         |                                                  |          |         |          |           |             |             |             |          |             |
|                                               |                               |       |              |          |                                                  |          |                |              |         | <u></u> | <u> </u>                                         | <u> </u> |         | 1        |           |             |             |             | L        | L           |
|                                               |                               |       |              |          |                                                  |          |                |              |         |         |                                                  |          |         |          |           |             |             |             |          |             |
|                                               |                               |       |              | <u> </u> |                                                  |          |                |              |         |         | <u>l</u> .                                       | <u> </u> |         | <u> </u> |           |             |             |             | L        | L           |
|                                               |                               |       |              |          |                                                  |          | !              |              |         |         |                                                  |          |         |          |           |             |             |             |          |             |
|                                               |                               |       | <u> </u>     |          | Ļ                                                |          | L              |              |         |         | <u> </u>                                         |          |         |          |           |             | لحجيا       |             |          | <u> </u>    |
| lement (X)                                    |                               | Z X'  | 0.00         |          | EX                                               | -        | <del>X</del> = | · · ·        |         | No. 01  |                                                  |          |         |          |           | of Hours wi | <del></del> |             |          |             |
| Rel. Hum.                                     |                               | 384   | 0302         | }        | 583                                              | 14       | 62,7           | 14.0         | 67      |         | 30                                               | ± 0 I    |         | ± 32 F   | ≥ 67 F    | ≥ 73 F      | ≥*80 F      | × 93        | <u></u>  | Total       |
| Dry Bulb                                      |                               |       | 9822         |          | 169                                              |          | 18.2           |              |         |         | 30                                               | 25       |         | 60.4     |           |             | <b></b>     | <del></del> |          |             |
| Wet Bulb<br>Dew Point                         | ,                             |       | 5669<br>9120 |          | 140                                              | 104      | 15.1           | 18.9<br>18.7 | 79      |         | 30                                               | 26<br>32 |         | 74.8     | ····      | _           | 1           | <b>-</b>    |          |             |

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### **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION  | MA  | LHST     | RUM        | AFB   | MT/GI          | REAT   | FALL                 | <u>.s</u> |        | 68-          | 77       |                                                  |         | YE           | ARS                                              |           |             |           |          | J.       | AN<br>NTH                                        |
|------------------|-----|----------|------------|-------|----------------|--------|----------------------|-----------|--------|--------------|----------|--------------------------------------------------|---------|--------------|--------------------------------------------------|-----------|-------------|-----------|----------|----------|--------------------------------------------------|
|                  |     |          |            |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | PAGE      | 1        | 1200-    |                                                  |
| Temp             |     |          |            |       |                | WET    | BULB T               | EMPERA    | TURE   | DEPRE        | SSION    | F)                                               |         |              |                                                  |           |             | TOTAL     |          | TOTAL    |                                                  |
| (F)              | 0   | 1 - 2    | 3 - 4      | 5 - 6 | 7 - 8          | 9 - 10 | 11 - 12 1            | 3 - 14 1  | 5 - 16 | 17 - 18      | 19 - 20  | 21 - 22 2                                        | 23 - 24 | 25 - 26      | 27 - 28                                          | 29 - 30   | <b>2</b> 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Po                                           |
| 64/ 63 62/ 61    |     |          |            |       |                |        |                      | • 1       | .1     |              |          |                                                  |         |              |                                                  |           |             | 1         | 1        |          |                                                  |
| 60/ 59           |     |          |            |       |                |        |                      | • 1       | •1     | •2           |          |                                                  |         |              |                                                  |           |             | 4         | 4        |          |                                                  |
| 58/ 57           |     |          |            |       |                | • 3    | .5                   | .3        |        | • 1          |          |                                                  |         |              |                                                  |           |             | 12        | 12       |          | Ĺ                                                |
| 56/ 55           |     |          |            |       | • 4            | • 4    | • 1                  |           | • 1    | . 3          |          |                                                  |         |              |                                                  | 1         |             | 13        | 13       |          | į                                                |
| 54/ 53           |     |          |            |       | • 1            |        | •2                   | -4        | .3     |              |          | <del> </del>                                     |         |              |                                                  |           |             | 13        | 13       |          | -                                                |
| 52/ 51<br>50/ 49 |     |          |            | • 1   | .4             | •6     | .1                   | .5        | : 2    |              |          |                                                  |         |              |                                                  |           |             | 16        | 11       | 2        | l                                                |
| 48/ 47           |     |          | • 3        | .4    | •6             |        |                      | .3        |        |              |          |                                                  |         |              |                                                  |           |             | 32        | 32       | 8        |                                                  |
| 46/ 45           |     |          | <u>• 1</u> | . 4   | . 8            |        |                      | .1        |        |              |          |                                                  |         |              |                                                  |           | _           | 39        | 39       | 12       |                                                  |
| 44/ 43           |     |          | • 2        | 1.0   |                | •6     | • 4                  |           |        |              |          |                                                  |         |              |                                                  |           |             | 37        | 37       | 24       |                                                  |
| 42/ 41           |     | • 1      |            | 100   | 1.3            | • 8    | .5                   |           |        |              |          | -                                                |         | ļ            |                                                  |           |             | 39        | 39       | 10       | <b> </b>                                         |
| 40/ 39           |     |          | 1.0        | * .   |                |        |                      | İ         |        |              |          | •                                                |         | ļ            |                                                  | - 1       |             | 60        | 60       | 23       | l                                                |
| 38/ 37           |     | بع       | 1.4        | - 6   |                | - 8    | <del></del>          |           |        |              |          |                                                  |         | <del> </del> |                                                  |           |             | 40        | 40       | 39<br>72 |                                                  |
| 36/ 35<br>34/ 33 | . 3 | •1<br>•5 | 1.4        | 2.2   |                | •3     |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 47        | 47       | 70       |                                                  |
| 32/ 31           |     | •1       | •6         |       |                |        |                      |           |        |              |          |                                                  |         | <del> </del> | <del>                                     </del> |           |             | 19        | 19       | 48       |                                                  |
| 30/ 29           |     | • 2      | 1.1        | , 9   |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 23        | 23       | 66       |                                                  |
| 28/ 27           |     | .9       | •6         |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 22        | 22       | 40       | Ī                                                |
| 26/ 25           |     | 1.1      | .8         | .2    |                |        |                      |           |        | L _          |          |                                                  |         | <u> </u>     |                                                  |           |             | 19        | 19       | 41       | !<br>├──                                         |
| 24/ 23           |     | 1.2      |            |       |                |        | i                    | İ         |        |              |          | 1 1                                              |         |              |                                                  |           |             | 16        | 16       | 25       |                                                  |
| 22/ 21           |     | . 9      |            |       |                |        |                      |           |        |              | ļ        | <del>                                     </del> |         | <u> </u>     | <u> </u>                                         |           |             | 12        | 12       | 22       | _                                                |
| 20/ 19           |     | 1.8      | -          |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 26        | 26<br>14 | 15       |                                                  |
| 18/ 17           |     | 1.6      | • 6<br>• 4 |       |                |        |                      |           |        |              |          | ┼──┼                                             |         |              |                                                  |           |             | 14        | 19       | 24<br>19 |                                                  |
| 16/ 15<br>14/ 13 |     | 1.4      | .3         |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 17        | 17       | 18       |                                                  |
| 12/ 11           | .8  | 2.4      | •2         |       |                |        |                      |           |        | <del> </del> | <b> </b> | +-+                                              |         |              |                                                  |           |             | 31        | 31       | 25       | <del>                                     </del> |
| 10/ 9            | .1  |          | .1         |       |                |        |                      |           |        | <u> </u>     | <u> </u> |                                                  |         | <u> </u>     |                                                  |           |             | 16        | 16       | 25       |                                                  |
| 8/ 7             |     | 1.8      | • 2        |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 19        | 19       | 15       |                                                  |
| 6/ 5             | 3   | 1.6      |            |       |                |        |                      |           |        | <u> </u>     |          |                                                  |         |              |                                                  |           |             | 18        | 18       | 23       | <u></u>                                          |
| 4/ 3             | • 1 | 2.2      |            |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             | 21        | 21       | 19       |                                                  |
| 2/ 1             | .4  |          |            |       |                |        |                      | ∤         |        | <del> </del> |          | <del>  </del>                                    |         | -            | <del>                                     </del> |           |             | 25        | 25<br>22 | 27       | <u> </u>                                         |
| 0/ -1            | 1.0 | 1.2      |            |       |                |        |                      | j         |        |              |          |                                                  |         |              |                                                  |           |             | 19        | 19       | 20       |                                                  |
| Element (X)      | 100 | Ex'      |            |       | Z <sub>X</sub> | لسرسا  | ¥                    |           |        | No. Ob       | · .      | ·                                                |         | <u> </u>     | Mean N                                           | o. of Hou | rs wit      | h Tempera |          |          | <u> </u>                                         |
| Rel. Hum.        |     |          |            |       |                |        |                      |           | +      |              |          | ± 0 F                                            |         | ± 32 F       | ≥ 67                                             |           | 3 F         | ≥ 80 F    | ≥ 93 1   | F        | Total                                            |
| Dry Bulb         |     |          |            |       |                |        | $\neg \neg \uparrow$ |           | 1      |              |          |                                                  |         |              |                                                  |           |             |           |          |          |                                                  |
| Wet Bulb         |     |          |            |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             |           |          |          |                                                  |
| Dew Point        |     |          |            |       |                |        |                      |           |        |              |          |                                                  |         |              |                                                  |           |             |           |          |          |                                                  |

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS MAL 68-77 1200-1400 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 1.9 30 30 30 -4/ -5 1.3 -6/ -7 20 19 20 22 -8/ -9 2.5 24 26 • 1 24 26 -10/-11 -12/-13 -14/-15 -16/-17 2.0 .4 23 23 25 20 31 20 20 • 1 24 7 7 17 7 5 5 18 8 Я 16 -18/-19 В 2.3 -20/-21 21 21 21 21 -22/-23 -24/-25 -26/-27 -28/-29 22 2 2 3 5 3 2 13 18 -30/-31 -32/-33 10TAL 6 19.827.112.013.211.8 7.8 4.3 2.4 930 930 930 930 Ĕ 8 ë 0.26-5 Element (X) Mean No. of Hours with Temperature Rel. Hum. 53712 57.815.486 930 3324920 ≤ 32 F ≥67 F = 73 F = 80 F = 93 F 10F USAFET. 20501 930 52.3 93 22.021.788 Dry Bulb 892949 20.6 17.818.481 8.217.735 67.0 16586 Wet Bulb 613096 930 21.7 930 Daw Point 354348 7602 30.6

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## **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION  | <u> MA</u> | LMST             | ROM . |       | MT/G  |                      | FAL           | LS         |                 | <u> 68-</u>  | 77             |                                                  |          | ,            | EARS           |              | <u></u>       | PAGE         | 1                                                  | 1500-    | 1700      |
|------------------|------------|------------------|-------|-------|-------|----------------------|---------------|------------|-----------------|--------------|----------------|--------------------------------------------------|----------|--------------|----------------|--------------|---------------|--------------|----------------------------------------------------|----------|-----------|
| Temp             |            |                  |       | ···   |       | WET                  | BULB '        | TEMPER     | ATURE           | DEPRE        | SSION          | (F)                                              |          | <del></del>  |                |              |               | TOTAL        |                                                    | TOTAL    | 3. 1.3    |
| (F)              | 0          | 1 - 2            | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10               | 11 - 12       | 13 - 14    | 15 - 16         | 17 - 18      | 19 - 20        | 21 - 22                                          | 23 - 2   | 4 25 - 2     | 6 27 - 2       | 8 29 -       | 30 ≥ 31       | D.B./W.B.    | Dry Bulb                                           |          | Dew Poir  |
| 62/ 61           |            |                  |       |       |       |                      |               |            |                 | .1           |                |                                                  |          | <u> </u>     |                | 1 -          |               | 1            | ī                                                  |          |           |
| 50/ 59           |            |                  |       |       |       |                      |               | .1         | ,1              | l .          |                |                                                  |          | ł            |                |              | -             | 2            | 2                                                  | •        |           |
| 58/ 57           |            |                  |       |       |       | • 1                  |               | •1         |                 | .1           |                |                                                  |          |              |                |              |               | 3            | 3                                                  |          |           |
| 56/ 55           |            |                  |       |       | • 2   | • 3                  |               |            | •1              | -1           |                |                                                  |          |              |                |              |               | 10           | 10                                                 |          |           |
| 54/ 53           |            |                  |       |       | • 1   | 1.0                  | .5            | .1         | .2              | . 1          |                | ļ                                                |          |              |                | 1            |               | 19           | 19                                                 |          |           |
| 52/ 51           |            |                  |       |       | •2    | • 4                  | .4            |            | .2              |              | ļ              | <u> </u>                                         |          |              |                | <u> </u>     |               | 12           | 12                                                 |          |           |
| 50/ 49           |            |                  | • 1   |       | . 8   | • 2                  | • 1           |            | • 2             | ij           | Ì              |                                                  |          | 1            |                | 1            | j             | 22           | 22                                                 | ]        |           |
| 8/ 47            | <u> </u>   | !                |       | • 2   | . 2   | • 4                  |               |            | ļ               | <b>!</b>     | <u> </u>       |                                                  |          |              | -              | <del> </del> | _             | 16           | 16                                                 | 4        |           |
| 46/ 43           | ĺ          | İ                | • 2   |       |       |                      |               |            | i               | }            |                | ł                                                |          |              | 1              |              | ļ             | 38           | 38                                                 | 11       |           |
| 44/ 43           |            | <u></u>          | • 2   | 1.5   | 1.5   | 1.8                  |               |            |                 | <del> </del> | <del> </del>   | <del> </del>                                     |          |              | -              | -            | <del></del> - | 53           | 53                                                 | 24       |           |
| 42/ 41           | Ì          |                  | 1.3   | 1.9   | 1.5   | .9                   |               |            |                 | 1            |                |                                                  |          |              |                |              |               | 39           | 39                                                 | 12       | 1         |
| 60/ 39<br>38/ 37 | _          | 2                | .9    |       |       |                      |               |            |                 | <del> </del> | <del> </del>   |                                                  |          | ┿            | ╁              | +-           | <del> </del>  | 54           | 54                                                 | 22       | 7         |
| 36/ 35           |            | • 2              | . 5   | 1.0   | 1.0   | 1.1                  |               |            |                 | ļ            |                | ł                                                |          | 1            |                |              |               | 48<br>30     | 48<br>30                                           | 36<br>78 | 16        |
| 34/ 33           |            | .3               |       | 1.7   | ,4    |                      |               |            |                 | <del> </del> |                |                                                  |          | <del> </del> | +              | +            |               | 32           | 32                                                 | 63       | 18        |
| 32/ 31           |            | 5                | .6    |       | 4     |                      |               |            |                 |              |                |                                                  |          | 1            |                |              | 1             | 30           | 30                                                 | 49       | 18        |
| 30/ 29           | i          | • 3              | 1.2   |       |       |                      |               |            |                 | 1            | -              |                                                  |          | +            | +              | +-           |               | 30           | 30                                                 | 58       | 23        |
| 26/ 27           |            | 1.1              | 1.9   | . 1   | • •   |                      |               |            | ļ               | ł            |                |                                                  |          |              | -              | 1            | ĺ             | 29           | 29                                                 | 47       | 50        |
| 26/ 25           |            | .4               | • 5   | .5    |       |                      |               |            |                 |              |                |                                                  |          | 1            | 1              | 1            |               | 14           | 14                                                 | 39       | 35        |
| 24/ 23           |            | 1.1              | . 3   |       |       |                      |               |            | 1               | 1            | 1              | 1 1                                              |          | 1            |                | ļ            | Ì             | 13           | 13                                                 | 34       | 38        |
| 22/ 21           |            | .9               | 1.0   |       |       |                      |               |            |                 |              |                |                                                  |          |              |                | 7            |               | 17           | 17                                                 | 11       | 50        |
| 20/ 19           |            | 1.7              | 1.0   |       |       |                      |               |            |                 |              |                |                                                  |          |              |                |              | -             | 25           | 25                                                 | 18       | 56        |
| 18/ 17           | .1         | .4               |       |       |       |                      |               |            |                 |              |                |                                                  |          |              |                |              |               | 14           | 14                                                 | 29       | 44        |
| 16/ 15           | 3          |                  | . 3   |       |       |                      |               |            |                 |              |                |                                                  |          |              | 1              | 1_           |               | 22           | 22                                                 | 27       | 54        |
| 14/ 13           | • 5        | 1.3              |       |       |       |                      |               |            |                 | j            | 1              | ) .                                              |          | ]            | 1              | 1            | j             | 22           | 22                                                 | 20       | 27        |
| 12/ 11           | .4         |                  | • 1   |       |       |                      |               |            | ļ               | <u> </u>     | <u> </u>       |                                                  |          |              | <u> </u>       |              |               | 23           | 23                                                 | 20       | 47        |
| 10/ 9            | •1         | 1.8              |       |       |       |                      |               |            |                 | 1            | 1              |                                                  |          |              |                | !            |               | 19           | 19                                                 | 22       | 50        |
| 8/ 7             | .2         | 2.0              | • 1   |       |       |                      | <u> </u>      |            |                 | <u> </u>     | <del> </del>   |                                                  |          | <b></b>      | <del>↓</del>   |              |               | 22           | 22                                                 | 17       | 28        |
| 6/ 5             | •1         |                  | • 2   |       |       |                      |               |            |                 |              |                |                                                  |          |              |                |              | -             | 20           | 20                                                 | 23       | 24        |
| // 3<br>2/ 1     | .2         | 2.6              |       |       |       |                      |               |            |                 | <del> </del> |                | <del>                                     </del> |          |              | +-             | +-           |               | 15           | 15                                                 | 24       | 17        |
| 0/ -1            | 1.6        | 1.6              |       |       |       |                      |               |            |                 |              |                | 1                                                |          |              |                |              |               | 26<br>30     | 26                                                 | 18       | 16        |
| -2/ -3           | 1.1        |                  |       |       |       |                      |               |            |                 | <del> </del> | <del> </del> - | <del> </del>                                     |          | ╁            | -              | ╁┈           |               | 14           | 30<br>14                                           | 34<br>24 | <u>23</u> |
| -4/ -5           | 2.4        | 9                |       |       |       |                      |               |            |                 |              | 1              |                                                  |          |              |                | ĺ            | 1             | 30           | 30                                                 | 29       | 19        |
| lement (X)       |            | Z <sub>X</sub> 2 |       |       | Σχ    | $\neg$               | X             | <b>"</b> A | <del></del>     | No. OI       | , I            | ئـــــــــــــــــــــــــــــــــــــ           |          |              | Meen           | No. o        | f Hours wi    | th Temperatu |                                                    | 67       | 47        |
| el. Hum.         |            |                  |       |       |       | $\neg +$             | <del></del> - |            |                 |              | -              | ± 0 1                                            | :        | ≤ 32 F       | <del>-,</del>  | 7 F          | × 73 F        | ≥ 80 F       | ≥ 93 1                                             | : 1      | otal      |
| ry Bulb          |            |                  |       |       |       | _                    |               |            |                 |              |                |                                                  | $\dashv$ |              | <del> </del> " | -            |               | - 34.        | <del>  - '''                                </del> |          |           |
| let Buib         | i          |                  |       |       |       | $\neg \uparrow \neg$ |               |            |                 |              |                |                                                  | $\neg$   |              | †              |              | <del></del>   | <b></b>      |                                                    | _        |           |
| ew Point         | l          |                  |       |       |       | _                    |               |            | <del>~ </del> - |              | -              |                                                  | _        |              | +              | <del>i</del> |               | <del> </del> | <del>                                     </del>   |          |           |

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### **PSYCHROMETRIC SUMMARY**

MALHSTROM AFB MT/GREAT FALLS 68-77 MAL 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 17 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 27 - 30 D.B./W.B. Dry Bulb Wet Bulb Dew Point 19 19 19 -6/-7• 5 18 1.5 29 -8/ -9 28 28 31 . 6 -10/-11 2.4 22 22 23 32 -12/-13 -14/-15 -16/-17 -18/·19 16 18 16 16 9 9 13 7 7 17 1.8 17 -20/-21 17 -22/-23 8 8 8 -24/-25 4 4 -26/-27 -28/-29 -30/431 8 -32/-33 8 2 -34/-35 21.125.513.513.910.1 8.9 4.5 1.2 930 930 TOTAL 930 930 Element (X) Meon No. of Hours with Temperature 930 58,014,852 ± 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 3330065 53911 40 € 21.521.498 17.518.325 7.917.806 930 21.0 55.1 93 Dry Bulb 860201 20017 93 Wet Bulb 596359 16263 930 22.4 68.0

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Dew Point

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## **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA  | LHST       | ROM   | AFB st   | T/G     | REAT   | FAL      | LS         |              | 68-          | 77       |           |           | YEA                                           | RS          |             |           |          |             | AN<br>NTH |
|------------------|-----|------------|-------|----------|---------|--------|----------|------------|--------------|--------------|----------|-----------|-----------|-----------------------------------------------|-------------|-------------|-----------|----------|-------------|-----------|
|                  |     |            |       |          |         |        |          |            |              |              |          |           |           |                                               |             |             | PAG       | E 1      |             | -2000     |
| Temp             |     |            |       |          |         | WET    | BULB '   | TEMPER     | ATUR         | E DEPRE      | SSION (  | (F)       |           |                                               |             |             | TOTAL     |          | TOTAL       |           |
| (F)              | 0_  | 1 - 2      | 3 - 4 | 5 · 6    | 7 - 8   | 9 - 10 | 11 - 12  | 13 - 14    | 15 - 10      | 6 17 - 18    | 19 - 20  | 21 - 22 2 | 23 - 24 2 | 25 - 26 2                                     | 7 - 28 29 - | - 30 ≥ 31   | D.B./W 8. | Dry Bulb | Wet Bulb    | Dew Point |
| 54/ 53           |     |            |       |          |         | • 2    |          |            |              |              |          |           |           |                                               |             |             | 2         | 2        |             |           |
| 52/ 51           |     |            |       |          | • 1     | • 3    | • 2      |            |              | <u> </u>     |          |           |           |                                               |             |             | 6         | 6        |             |           |
| 50/ 49           |     |            |       | . 3      | •6      | • 5    |          |            |              | "            |          |           |           |                                               |             |             | 14        | 14       |             |           |
| 48/ 47           |     |            |       | , 3      | .4      |        | •1       | .1         |              |              |          |           |           |                                               |             |             | 11        | 11       |             |           |
| 46/ 45           |     |            | • 2   | • 6      | , 4     | . 8    | • 6      | • 1        |              |              |          | i !       |           | ì                                             |             | i           | 26        | 26       | 1           |           |
| 44/ 43           |     | <u>. 1</u> | .3    | , 9      | .1      | 1.1    | • 2      |            |              |              |          |           |           |                                               |             |             | 25        | 25       | 9           |           |
| 42/ 41           | İ   | • 2        | . 8   | 2.5      | 1.8     | • 6    |          |            |              |              |          | 1 1       | l         |                                               |             |             | 55        | 55       | 15          |           |
| 40/ 39           |     | • 1        | . 3   | 1.9      | 1.5     | • 2    | • 2      |            |              |              |          |           |           |                                               |             |             | 40        | 40       | 24          | 1         |
| 38/ 37           | į   |            | 1.7   |          | , 4     | • 3    | _        |            |              | İ            |          |           |           |                                               | 1           | 1           | 39        | 39       | 22          | 5         |
| 36/ 35           |     | • 2        |       |          |         |        |          |            |              |              |          |           |           |                                               |             |             | 48        | 48       | 47          | 13        |
| 34/ 33           |     | • 5        | • 9   | 2.0      | , 4     |        |          |            |              |              |          |           |           |                                               | 1           |             | 36        | 36       | 68          | 14        |
| 32/ 31           |     | .3         | • 9   | 1.9      | • 3     |        |          |            |              | <u> </u>     | ļ        |           |           |                                               |             |             | 32        | 32       | 49          | 20        |
| 30/ 29           |     | • 9        |       | 1.5      |         |        | į        | i          | i            | 1            | İ        | !!!       | - 1       |                                               | i           |             | 38        | 38       | 46          | 31        |
| 28/ 27           |     | 1.2        |       |          |         |        |          |            |              | -            |          |           |           |                                               |             |             | 40        | 40       |             |           |
| 26/ 25           | . 1 |            |       |          |         |        |          | İ          |              | Ì            |          | 1 1       | - 1       | 1                                             |             | 1           | 30        | 30       | 1 -         | 37        |
| 24/ 23           |     | 1.9        | 1.3   |          |         |        |          |            |              |              |          |           |           |                                               |             |             | 31        | 31       | 30          | 29        |
| 22/ 21           | Ì   | 1.3        |       |          |         |        |          | l          |              | İ            |          |           |           | i                                             | ļ           | İ           | 23        | 23       | 40          | 54        |
| 20/ 19           |     | 1.7        | • 2   |          |         |        |          |            |              |              |          |           |           |                                               |             |             | 19        | 19       | 24          | 45        |
| 18/ 17           | • 2 |            | •9    | i        |         |        |          |            |              | 1            | İ        |           |           | 1                                             |             | ŀ           | 22        | 22       | 29          | 47        |
| 16/ 15           | 3   | 1.5        | • 6   |          |         |        |          |            | L            |              | L        |           |           |                                               |             |             | 23        | 23       | 24          | 51        |
| 14/ 13           |     | 1.7        |       |          |         |        |          | ļ          |              | İ            | ŀ        | 1 1       |           | 1                                             |             |             | 17        | 18       | 20          |           |
| 12/ 11           | 2   |            |       |          |         |        |          |            |              | <u> </u>     |          |           |           |                                               |             |             | 24        | 24       | 22          | 39        |
| 10/ 9            | . 1 | 2.2        | • 1   |          |         |        |          |            |              | 1            | l        | 1 l       | - 1       | 1                                             |             | ļ           | 22        | 22       |             | 36        |
| 8/ 7             | . 3 | 1.4        | • 1   |          |         |        |          |            |              |              | <u> </u> |           |           |                                               |             |             | 17        | 17       | <del></del> | 27        |
| 6/ 5             | ٠2  | 1.4        |       |          |         |        |          |            | }            |              |          |           | - 1       |                                               | -           |             | 15        | 15       |             | 21        |
| 4/ 3             | .6  | 1.8        |       |          |         |        |          | <u> </u>   | <u> </u>     |              |          | 1         |           |                                               |             |             | 23        | 24       |             | 27        |
| 2/ 1             | . 4 | 1.5        |       |          |         |        |          |            | 1            |              | 1        |           |           |                                               | İ           | - 1         | 18        | 18       |             | 23        |
| 0/ -1            | 1.6 | .2         |       |          |         |        |          | <u> </u>   | ļ            | <del> </del> |          |           |           | $\dashv$                                      |             |             | 17        | 17       | 2.2         | 14        |
| -2/ -3           | . 8 | 1.2        |       |          |         |        |          |            | ŀ            |              |          |           |           |                                               | 1           | - 1         | 18        | 18       | 17          | 21        |
| -4/ -5           | 2.7 | .5         |       |          |         |        |          | <u> </u>   | <u> </u>     |              | L        |           |           |                                               |             |             | 30        | 30       |             | 18        |
| -6/ -7           | 2.2 | • •        |       |          |         |        | ]        |            |              |              |          |           | - 1       |                                               |             |             | 24        | 24       |             | 14        |
| -8/ -9           | 2.2 | .1         |       |          |         |        |          |            | ļ            | <u> </u>     |          |           |           |                                               |             |             | 21        | 21       |             | 21        |
| -10/-11          | 3.0 |            |       |          |         |        |          |            |              |              | ]        |           | - 1       | 1                                             | 1           |             | 28        | 28       |             | 24        |
| -12/-13          | 2.0 |            |       |          | <u></u> | l      | <u> </u> | ļ          | <u> </u>     |              | <u> </u> |           |           |                                               |             |             | 19        | 19       | 19          | 28        |
| Element (X)      |     | ΣX,        |       |          | Z X     | _      | X        | <b>₹</b> 2 |              | No. Ol       | 5.       |           | .,        |                                               |             | of Hours wi |           |          |             |           |
| Rel. Hum.        |     |            |       | <u> </u> |         |        |          | Ļ          |              |              |          | ± 0 F     | 1 1       | 32 F                                          | ≥ 67 F      | ≥ 73 F      | > 80 F    | ≥ 93     | F           | Total     |
| Dry Bulb         |     |            |       | ļ        |         | _ _    |          | <u> </u>   | -            |              |          |           |           |                                               |             |             | ļ         |          |             |           |
| Wet Bulb         |     |            |       |          |         |        |          | <b>└</b>   | <b>-</b> - - |              |          |           |           |                                               |             | <b></b>     | <u> </u>  |          |             |           |
| Dew Point        |     |            |       |          |         |        |          | <u> </u>   |              |              |          |           |           | <u>.                                     </u> |             | <u> </u>    | 1         | _i       |             |           |

EVISED MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A

USAFETAC

0.26-5 (OL A)

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS STATION NAME | 68-77 YEARS | JAN       |
|------------------|-------------------------------------------|-------------|-----------|
|                  |                                           | PAGE 2      | 1800-2000 |

| Temp.              |         |              |              |                                                  |              |                                                  |                                                  |         |              | DEPRE                                            |             |               |         |                                                  |              |                                                  |              | TOTAL                                            |              | TOTAL       |                |
|--------------------|---------|--------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|---------|--------------|--------------------------------------------------|-------------|---------------|---------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-------------|----------------|
| (F)                | 0       | 1 . 2        | 3 - 4        | 5 - 6                                            | 7 - 8        | 9 - 10                                           | 11 - 12                                          | 13 - 14 | 15 - 16      | 17 - 18                                          | 19 - 20     | 21 - 22       | 23 - 24 | 25 - 26                                          | 27 - 28      | 29 - 30                                          | ≥ 31         | D.B./W.D.                                        | Dry Bulb     |             |                |
| -14/-15            | 2.3     |              | 1            |                                                  |              |                                                  |                                                  |         |              |                                                  |             |               |         |                                                  |              |                                                  |              | 21                                               | 21           | 21          | 24             |
| -16/-17            | .9      |              | 1            |                                                  |              | ļ                                                |                                                  |         |              |                                                  | j           |               |         | ļ                                                |              | ļ                                                | 1            | 8                                                | 8            | 8           | 16             |
| -18/-19            | .3      | -            | T            |                                                  |              |                                                  |                                                  |         |              |                                                  |             |               |         | 1                                                |              | i                                                | T            | 3                                                | 3            | 3           | 25             |
| -20/-21            | 1.4     |              | 1            |                                                  |              |                                                  |                                                  |         |              |                                                  |             |               |         | 1                                                |              |                                                  |              | 13                                               | 13           | 13          | 25<br>17<br>19 |
| -22/-23            | .6      |              |              | <u> </u>                                         |              | l                                                |                                                  |         |              | 1                                                | <del></del> | <del></del>   |         |                                                  |              |                                                  | 1            | 6                                                | 6            | 6           | 19             |
| -22/-23<br>-24/-25 | 1.2     | }            | Ì            | ļ                                                |              |                                                  |                                                  |         |              | 1                                                |             |               |         |                                                  |              |                                                  |              | 11                                               | 11           | 11          | 13             |
| -26/-27            | .5      |              | <del> </del> | <del> </del>                                     |              | <del>                                     </del> | <del> </del>                                     | i       |              | <del>                                     </del> |             | ii            |         | <del>                                     </del> |              | <b></b>                                          | †            | 5                                                | 3            | 5           | 13<br>10<br>14 |
| -28/-29            | .3      |              | ļ            | Ī                                                | İ            | l                                                |                                                  |         |              |                                                  |             |               |         | ŀ                                                |              | l                                                |              | 3                                                | 3            | 3           | Ĩ4             |
| -30/-31            | ,3      |              | ╁──          | <u> </u>                                         |              | -                                                |                                                  |         |              | <del>                                     </del> |             |               |         |                                                  |              | <del> </del>                                     | -            | 3                                                | 3            | 3           | 6              |
| -32/-33            | . 1     |              |              |                                                  |              |                                                  |                                                  |         |              | 1                                                |             | •             |         |                                                  | 1            |                                                  | 1            | 1                                                | i            | l î         | 11             |
| -34/-35            | .1      | <del> </del> | <del> </del> | <del>                                     </del> | <del> </del> |                                                  | <del> </del>                                     |         |              | <del> </del>                                     |             | <del>  </del> |         | <del> </del> -                                   | <del> </del> |                                                  | <del> </del> | 1                                                | 1            | 1           | 4              |
| -36/-37            | • •     | l            |              |                                                  |              |                                                  |                                                  |         |              |                                                  |             |               |         |                                                  |              |                                                  |              | 1                                                | •            |             | ĭ              |
| -38/-39            |         |              | <del> </del> |                                                  |              |                                                  | <del> </del>                                     |         |              | <del> </del>                                     |             |               |         | <del> </del>                                     | <u> </u>     | <del> </del>                                     | <del> </del> | <del> </del>                                     | <del></del>  |             | 2              |
| -40/-41            |         |              |              | 1                                                |              | 1                                                |                                                  |         |              |                                                  | İ           |               |         | ļ                                                | 1            |                                                  |              |                                                  |              |             | 2              |
| -42/-43            |         | <del> </del> |              | <del></del> -                                    |              | <b> </b> -                                       | <del>                                     </del> |         | ļ            | <del> </del>                                     |             |               |         | <del> </del>                                     |              | <del> </del>                                     | <del> </del> | <del> </del>                                     | <del> </del> |             | 2              |
| TOTAL              | 25 2    | 27           | 416.0        | 17 2                                             | 7.5          | 4.3                                              | 1 4                                              | 9       |              |                                                  | 1           | 1 1           |         | 1                                                | 1            | ł                                                | l            |                                                  | 930          |             | 928            |
| IUIAL              | 23.2    | 610.         | 1000         | 1103                                             | 100          | 703                                              | 107                                              | •2      | <b>├</b>     | <del> </del>                                     | <u> </u>    | <del>  </del> |         | <del>}</del>                                     |              | ļ                                                | <del> </del> | 928                                              | 750          | 928         | 720            |
|                    |         |              | 1            | l                                                |              |                                                  |                                                  |         |              |                                                  |             |               |         | }                                                |              |                                                  |              | 740                                              |              | 740         |                |
|                    |         | <del> </del> | <del>-</del> | <del> </del>                                     | ├            | <b> </b>                                         | <del> </del>                                     |         | <del> </del> | <del> </del>                                     | <u> </u>    |               |         |                                                  | <b> </b> -   | <del>                                     </del> | <del> </del> | ļ                                                | <b></b>      |             |                |
|                    |         |              | 1            | 1                                                |              |                                                  |                                                  |         |              |                                                  |             |               |         |                                                  | 1            |                                                  |              | ļ                                                | i            | i i         |                |
|                    |         | <u> </u>     | <del> </del> | <del> </del>                                     | <b> </b>     |                                                  | <b></b>                                          |         |              | ļ                                                | <u> </u>    |               |         | <b> </b>                                         | <u> </u>     | ļ                                                | ļ            | ļ                                                | ļl           |             |                |
|                    |         | İ            |              |                                                  | İ            |                                                  | İ                                                |         |              |                                                  |             |               |         |                                                  | l            | į                                                |              | l                                                |              |             |                |
|                    |         |              | <u> </u>     | ļ                                                | <u> </u>     | ļ                                                | ļ                                                |         |              | ļ                                                | <u> </u>    |               |         | ļ                                                | ļ            |                                                  | ļ            | <del> </del>                                     |              |             |                |
|                    |         |              |              |                                                  |              |                                                  |                                                  |         | 1            | 1                                                |             |               |         |                                                  | l            | 1                                                | ŀ            | 1                                                |              |             |                |
|                    |         |              | <del> </del> | ļ                                                | ļ            | ļ                                                | ļ                                                |         | <u> </u>     |                                                  |             | ļ             |         | !<br><del> </del>                                |              |                                                  | <u> </u>     |                                                  | <u> </u>     |             |                |
|                    |         |              |              |                                                  |              |                                                  |                                                  |         |              |                                                  |             |               |         |                                                  |              |                                                  |              | 1                                                |              |             |                |
|                    |         |              | <u> </u>     |                                                  | <u> </u>     |                                                  | <u> </u>                                         |         |              |                                                  |             |               |         |                                                  |              | <u> </u>                                         | <u> </u>     |                                                  |              |             |                |
|                    |         | i            |              |                                                  |              |                                                  | Ì                                                |         |              |                                                  | 1           |               |         | 1                                                |              |                                                  | 1            |                                                  |              |             |                |
|                    |         |              | <u> </u>     | <u> </u>                                         | <u> </u>     |                                                  | <u> </u>                                         |         |              | <u> </u>                                         | <u> </u>    |               |         | <u> </u>                                         |              | <u> </u>                                         | <u> </u>     | <u> </u>                                         | l            |             |                |
|                    |         |              | 1            |                                                  |              |                                                  | 1                                                | 1       |              |                                                  |             |               |         |                                                  |              | i                                                | 1            |                                                  |              |             |                |
|                    |         |              |              |                                                  |              |                                                  |                                                  | <u></u> |              | ]                                                |             | <u> </u>      |         |                                                  | L            |                                                  |              | <u> </u>                                         |              |             |                |
|                    |         |              |              |                                                  |              |                                                  |                                                  |         |              |                                                  |             |               |         |                                                  |              |                                                  |              |                                                  |              |             |                |
|                    |         |              | l<br>i       |                                                  |              | l                                                |                                                  |         |              |                                                  |             |               |         |                                                  | ļ            |                                                  |              | 1                                                |              |             |                |
|                    |         |              | 1            |                                                  |              |                                                  | Ī                                                |         | <u> </u>     | 1                                                |             |               |         | 1                                                |              | 1                                                |              | <u> </u>                                         |              |             |                |
|                    |         |              | 1            |                                                  |              | ŀ                                                |                                                  |         |              | 1                                                |             | ] ]           |         |                                                  |              |                                                  | 1            | Į                                                |              |             |                |
| Element (X)        |         | Z X 2        |              |                                                  | ZX           |                                                  | X                                                | · ×     |              | No. OL                                           | 5.          |               |         | <del></del>                                      | Mean         | No. of H                                         | ours wit     | h Tempere                                        | ture         | <del></del> |                |
| Rel. Hum.          | -       |              | 97563        |                                                  | 581          | 27                                               | 62.6                                             |         |              | 9                                                | 28          | ± 0 €         |         | ≤ 32 F                                           | ≥ 67         |                                                  | 73 F         | ≥ 80 F                                           | a 93 f       | F 1         | otal           |
| Dry Bulb           |         | 7            | 09957        |                                                  | 169          | 57                                               | 18.2                                             | 20.7    | 70           |                                                  | 30          | 23            |         | 62.8                                             |              |                                                  |              | 1                                                | 1            |             | 93             |
| Wet Bulb           |         | 5            | 28365        | -                                                | 141          |                                                  | 15.2                                             | 18.4    | na           |                                                  | 28          | 24            | -0      | 74.4                                             |              |                                                  |              | <del>                                     </del> |              |             | 93             |
| Dew Point          |         | 2            | 55942        | <del>]</del>                                     |              | 36                                               | - <del></del>                                    | 18.3    | 24           |                                                  | 28          | 30            |         | 89.7                                             |              | $\dashv$                                         |              | <del> </del>                                     |              | <del></del> | 93             |
|                    | <b></b> |              | 4176         |                                                  | <u> </u>     | 24                                               | ¥47                                              |         |              | Z                                                | 20          | 71            | جبلب    | 771                                              | <u> </u>     |                                                  |              |                                                  |              |             | 73             |

| 24112<br>STATION | MA                                    | LMST  | RUM         | AFB 51   | MT/G     | REAT     | FAL      | LS           |              | 68-          | 77       | <del></del>  |          | YE        | ARS                                          |         |      |            | <del></del> | J/           | AN NTH    |
|------------------|---------------------------------------|-------|-------------|----------|----------|----------|----------|--------------|--------------|--------------|----------|--------------|----------|-----------|----------------------------------------------|---------|------|------------|-------------|--------------|-----------|
|                  |                                       |       |             |          |          |          |          |              |              |              |          |              |          |           |                                              |         |      | PAGE       | 1           | 2100 HOURS ( | -2300     |
| Temp.            |                                       |       |             |          |          |          |          |              |              | DEPRE        |          |              |          |           |                                              |         |      | TOTAL      |             | TOTAL        |           |
| (F)              | 0                                     | 1 - 2 | 3 - 4       | 5 - 6    | 7 - 8    |          |          | 13 - 14      | 15 - 16      | 17 - 18      | 19 - 20  | 21 - 22      | 23 - 2   | 4 25 - 26 | 27 - 28                                      | 29 - 30 | ≥ 31 | D.B./W.B.  | Dry Bulb    | Wet Bulb     | Dew Point |
| 54/ 53           |                                       |       |             |          | • 2      | • 4      |          |              | 1            | 1            |          |              |          |           |                                              |         |      | 6          | 6           |              |           |
| 52/ 51           |                                       |       |             |          | , 1      |          | .2       |              |              | <u> </u>     | <u> </u> |              |          | ١         | <u> </u>                                     |         |      | 3          | 3           |              |           |
| 50/ 49           |                                       |       |             |          | .3       | .9       | .1       | 1            |              | 1            | 1        | 1            | ŀ        |           |                                              |         |      | 12         | 12          |              |           |
| 48/ 47           |                                       |       |             | .2       | . 1      | • 2      | •1       |              |              | <u> </u>     |          | <u> </u>     |          | <u> </u>  |                                              |         |      | 6          | 6           |              |           |
| 46/ 45           | ]                                     |       |             | 1.1      | • 6      | 94       | .4       | ]            | ]            | ]            | j        | }            |          | 1         | ] ]                                          |         |      | 24         | 24          | 2            |           |
| 44/ 43           |                                       |       | - 5         |          | 5        | 1.0      |          |              |              | ·            |          |              |          |           |                                              |         |      | 38         | 38          | 7            |           |
| 42/ 41           | ļ                                     | . 1   | • 2         |          | 1,4      | ,6       | .3       | ]            | j            | ]            | ļ        | 1            | ]        | 1         | 1 1                                          |         |      | 41         | 41          | 6            |           |
| 40/ 39           |                                       | • 2   | 1.2         |          | 1.4      |          |          |              |              | <u> </u>     | <u> </u> | <u> </u>     |          |           |                                              |         |      | 41         | 41          | 30           | 1         |
| 38/ 37           |                                       | .2    |             | 1.7      | •6       | • 2      | 1        | }            | 1            | 1            | }        | ļ            | ļ        | 1         |                                              |         |      | 40         | 40          | 27           | 3         |
| 36/ 35           |                                       | . 8   |             | 1.1      | , 3      |          | <u> </u> | <u></u>      |              | <u> </u>     | ļ        | <u> </u>     |          | <u> </u>  | <u>                                     </u> |         |      | 30         | 30          | 44           | 14        |
| 34/ 33           |                                       | . 4   |             |          | •6       | ì        | İ        | i            | 1            |              | 1        | 1            |          | 1         |                                              |         |      | 39         | 39          | 68           | 8         |
| 32/ 31           |                                       | ,5    |             | 2.3      | ,4       |          | <u></u>  |              |              | <u> </u>     |          | <u> </u>     |          |           | <u> </u>                                     |         |      | 40         | 40          | 44           | 25        |
| 30/ 29           |                                       | •6    | 1.7         | 1.8      | •1       | ĺ        |          |              | Į.           | 1            | [        | İ            | l        | 1         |                                              |         |      | 40         | 40          | 36           | 37        |
| 28/ 27           | 1                                     | 1.1   | 2.2         | •6       |          | <u> </u> |          | ļ            | <u> </u>     | <u> </u>     |          | <u> </u>     | <u></u>  |           |                                              |         |      | 37         | 37          | 46           | 39        |
| 26/ 25           | • 1                                   | 1.2   | 1.1         | .1       | İ        |          |          | ļ            | ł            | 1            | ļ        | 1            |          | 1         |                                              |         |      | 23         | 23          | 65           | 35        |
| 24/ 23           | 2                                     |       | 1.4         |          |          | <u> </u> |          |              | <u> </u>     |              | <u> </u> | J            |          | <u> </u>  |                                              |         |      | 27         | 27          | 35           | 44        |
| 22/21            | . 6                                   |       |             |          | j        | j        | j        | ]            | j            | )            | )        | ļ            | ļ        | 1         | )                                            |         |      | 33         | 33          | 37           | 50        |
| 20/ 19           | 2                                     |       | <del></del> |          |          | ļ        |          |              | <u> </u>     | ļ            |          | .            |          |           |                                              |         |      | 28         | 28          | 31           | 39        |
| 18/ 17           | • 3                                   | 2.7   |             | j        | j        | ]        | ]        |              | }            | ļ            | !        | 1            | 1        | ]         | ) ]                                          |         |      | 32         | 32          | 34           | 40        |
| 16/ 15           | 3                                     | 1.9   |             |          |          |          | ļ        |              | <u> </u>     | <u> </u>     | <u> </u> | <b></b>      | <u> </u> |           |                                              |         |      | 26         | 26          | 37           | 57        |
| 14/ 13           | • 3<br>• 5                            | 1.2   |             | ļ        | J        | J        | ]        | ļ            | 1            | 1            | }        | ļ            | 1        | ]         | ] ]                                          |         |      | 15         | 15          | 29           | 53        |
| 12/ 11           | 5                                     |       |             |          | <u> </u> | <b> </b> |          |              | <u> </u>     | <u>. </u>    | <u> </u> | ļ            |          |           | ļ                                            |         |      | 14         | 14          | 16           | 43        |
| 10/ 9            | • 3                                   |       |             |          | [        | ļ        | ļ        |              | 1            | 1            | 1        |              |          | 1         | 1                                            |         |      | 30         | 30          | 15           | 49        |
| 8/ 7             |                                       | 1.8   | <del></del> |          |          | ]        | ļ        |              | ļ            | <u> </u>     | ļ        | <u> </u>     |          |           | ļ                                            |         |      | 17         | 17          | 24           | 17        |
| 6/ 5             | . 2                                   | 1.1   | •1          | }        | İ        | 1        |          |              |              |              | İ        | 1            | j        |           | 1                                            |         |      | 13         | 13          | 22           | 24        |
| 4/3              | 4                                     | 1.5   |             | ļ        |          | ļ        | ļ        | ļ            | ↓            | <del> </del> | ļ        | <del> </del> | <u> </u> | <u> </u>  | ļ                                            |         |      | 18         | 18          | 15           | 23        |
| 2/ 1             | • 4                                   |       | ]           | Ì        | }        |          |          |              | 1            | 1            | 1        | i            | l        | 1         | 1                                            |         |      | 14         | 14          | 15           | 20        |
| 0/ -1            | 1.8                                   |       | ļ           | ļ        |          | ļ        | <b> </b> | <del> </del> | ļ            | <u> </u>     | ļ        | ļ            | ļ        |           | ļ                                            |         |      | 24         | 24          | 25           | 15        |
| -2/ -3           | • 9                                   | • 1   |             | ,        | }        | }        | }        | ļ            | 1            | ]            | }        | J            | ]        | 1         | }                                            |         |      | 9          | 9           | 15           | 15        |
| -4/ -5           | 2.5                                   |       |             |          | ļ        | ļ        |          |              |              | ļ            | ļ        | ļ            | <u> </u> |           |                                              |         |      | .27        | 27          | 26           | 19        |
| -6/ -7           | 1.8                                   |       | 1           | l        | ]        | 1        | 1        | 1            | 1            | }            | )        | 1            | ]        | 1         | ) ]                                          |         |      | 25         | 25          | 23           | 18        |
| -8/ -9           | 2.5                                   |       | <u> </u>    | <u> </u> | <u> </u> |          | <u> </u> |              | <del> </del> | <b></b> _    | ļ        | <del> </del> |          |           |                                              |         |      | .24        | 24          | 27           | 19        |
| -10/-11          | 3.1                                   |       | ]           | ]        |          | 1        |          | ]            | 1            | 1            |          | }            | ļ        | 1         | ]                                            |         |      | 29         | 29          | 30           |           |
| -12/-13          | 2.2                                   |       | <u> </u>    |          | <u></u>  | <u> </u> | <u></u>  |              | <del></del>  | <u></u>      | <u></u>  | 1            | <u> </u> |           |                                              |         |      | 20         | 20          | 20           | 19        |
| Element (X)      |                                       | ΣX,   | <del></del> |          | Σχ       | _        | <u> </u> | -            | <u> </u>     | No. 0        | bs.      | <u> </u>     |          |           | <del></del>                                  |         |      | h Temperat | ~···        |              |           |
| Rel. Hum.        |                                       |       |             | <u> </u> |          | _        |          |              | _            |              |          | ± 0          | F        | 1. 32 F   | ≥ 67                                         | f ·     | 73 F | ≥ 80 F     | = 93 1      | <u>'</u>     | Total     |
| Dry Bulb         | · · · · · · · · · · · · · · · · · · · |       |             |          |          | _        |          |              |              |              |          |              |          |           | ļ                                            |         |      |            |             |              |           |
| Wet Bulb         |                                       |       |             |          |          | _        |          |              |              |              |          |              |          |           | <del> </del>                                 | _ _     |      | ļ          | <u> </u>    |              |           |
| Daw Point        |                                       |       |             | 1        |          | ł        |          | 1            | - 1          |              |          | 1            | - 1      |           | l                                            | - 1     |      | I          | 1           | ı            |           |

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USAFETAC

#### **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77
STATION STATION NAME
STATION NAME
PAGE 2 2100-2300
HOURS (L. S. T.)

|                    |                                                                               |                                                  |              |                                                  |              | w==                                              |                |                                                  |                                                  | 25000                                            | CCION                                            | · · · · · · · · · · · · · · · · · · · |                                                  |                                        |              |                                                  |                                                  | TOTAL        |                   | TOTAL                                            | L. S. 1.)    |
|--------------------|-------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|----------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------|--------------------------------------------------|----------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|-------------------|--------------------------------------------------|--------------|
| Temp<br>(F)        |                                                                               |                                                  | T            |                                                  |              | WEI                                              | BULB           | EMPER                                            | ATURE                                            | DEPRE                                            | 251UN (                                          | (1)                                   | 22 24                                            | 25 - 26                                | 27 20        | 20 20                                            | - 21                                             |              | Dev. Bulb         |                                                  | Dew Point    |
| 1                  | 0                                                                             | 1 + 2                                            | 3 - 4        | 5 - 6                                            | 7 - 8        | 9.10                                             | 11 - 12        | 13 - 14                                          | 13 - 16                                          | 17 - 18                                          | 19 - 20                                          | 21 - 22                               | 23 - 24                                          | 25 - 26                                | 21 - 20      | 29 . 30                                          | - 31                                             | 19           |                   | 19                                               | 21           |
| -14/-15            | 2.0                                                                           | 3                                                | 1            | 1                                                |              |                                                  |                |                                                  | ]                                                |                                                  | 1                                                | 1 1                                   |                                                  |                                        |              |                                                  |                                                  | 16           | 16                | 16                                               |              |
| -16/-17<br>-18/-19 | 1.7                                                                           |                                                  | <del> </del> |                                                  |              |                                                  | <u> </u>       |                                                  |                                                  |                                                  | <del> </del>                                     |                                       |                                                  | 1                                      |              |                                                  |                                                  | 5            | 5                 | 5                                                |              |
|                    | .5                                                                            |                                                  |              |                                                  |              |                                                  |                |                                                  |                                                  |                                                  | 1                                                |                                       |                                                  |                                        |              |                                                  |                                                  | 13           |                   | 13                                               | 15           |
| -20/-21            | 1.4                                                                           |                                                  | <b> </b>     | <u> </u>                                         | ¦            | ļ                                                | <del> </del> - |                                                  |                                                  | <del> </del>                                     | ├                                                |                                       |                                                  |                                        |              |                                                  |                                                  | 9            | 9                 | 9                                                |              |
| -22/-23            | 1.0                                                                           |                                                  | ļ            |                                                  |              |                                                  |                | !                                                |                                                  |                                                  | 1                                                |                                       |                                                  |                                        |              |                                                  |                                                  |              | 8                 |                                                  | 17           |
| =24/-25            | 9                                                                             | <b>/</b>                                         | ļ            | ļ                                                |              |                                                  | ļ              |                                                  |                                                  | ļ                                                | <del> </del>                                     |                                       |                                                  |                                        |              |                                                  | <del> </del>                                     | 8            | 6                 | 8                                                | 28           |
| -26/-27            | •6                                                                            | 2                                                | ļ            |                                                  |              |                                                  |                |                                                  |                                                  |                                                  |                                                  |                                       |                                                  |                                        |              |                                                  |                                                  | 6            | 3                 | 6                                                | 11           |
| -28/-29            | • 2                                                                           | -                                                |              | ļ                                                |              | <u></u>                                          | <b> </b>       |                                                  |                                                  |                                                  | <del>                                     </del> | ļ                                     |                                                  | ļ                                      |              | l                                                |                                                  | 2            |                   | 2                                                |              |
| -30/-31            | • 2                                                                           |                                                  |              |                                                  |              |                                                  |                |                                                  |                                                  |                                                  | ļ                                                |                                       |                                                  | 1                                      |              |                                                  | ľ                                                | 2            | ?                 | 2                                                |              |
| -32/-33            | • 3                                                                           | <u> </u>                                         | <del> </del> | ļ                                                |              |                                                  | <u> </u>       |                                                  |                                                  | ļ <u>.</u>                                       | ļ                                                |                                       |                                                  | ļ                                      |              |                                                  |                                                  | 3            | 4                 | 3                                                | 0            |
| -34/-35            |                                                                               | İ                                                |              |                                                  |              |                                                  |                |                                                  |                                                  | 1                                                | 1                                                | 1 1                                   |                                                  |                                        |              |                                                  | ŀ                                                | 1            |                   |                                                  | 6 4          |
| -36/-37            |                                                                               |                                                  |              |                                                  |              | L                                                | <u> </u>       |                                                  | <b></b>                                          |                                                  | ļ                                                | ļ                                     |                                                  |                                        |              | <u> </u>                                         | ļ                                                | <u> </u>     | ļ                 |                                                  | 4            |
| -38/-39            |                                                                               |                                                  |              | ļ                                                |              |                                                  |                |                                                  |                                                  |                                                  |                                                  | ]                                     |                                                  |                                        |              |                                                  |                                                  | 1            | 1                 | ļ                                                | 2            |
| -40/-41            | ·                                                                             | ļ                                                |              | <u> </u>                                         |              | <u> </u>                                         | <u> </u>       |                                                  |                                                  |                                                  | <u> </u>                                         |                                       |                                                  |                                        |              | L                                                |                                                  |              | ļ                 |                                                  | 1            |
| -42/-43            |                                                                               | 1                                                | İ            | Ì                                                | 1            | İ                                                | 1              | i                                                | İ                                                | ĺ                                                | ļ                                                |                                       |                                                  | 1                                      |              |                                                  | ł                                                | İ            |                   |                                                  | 1            |
| TOTAL              | 27.9                                                                          | 27.6                                             | 16.5         | 15.6                                             | 6.9          | 3.9                                              | 1.6            |                                                  |                                                  | <u> </u>                                         |                                                  |                                       |                                                  |                                        |              | <u> </u>                                         |                                                  |              | 930               |                                                  | 928          |
|                    |                                                                               | 1                                                |              |                                                  | 1            | ļ                                                | 1              | 1                                                | 1                                                | 1                                                | 1                                                | 1                                     |                                                  |                                        |              | ļ                                                | 1                                                | 1928         |                   | 928                                              | Ė            |
|                    |                                                                               | 1                                                |              |                                                  |              |                                                  | İ              | <u> </u>                                         |                                                  | <u> </u>                                         | <u> </u>                                         |                                       |                                                  |                                        |              |                                                  |                                                  |              |                   |                                                  |              |
|                    |                                                                               |                                                  |              |                                                  |              |                                                  |                |                                                  |                                                  |                                                  |                                                  |                                       |                                                  |                                        |              |                                                  |                                                  |              |                   |                                                  |              |
|                    |                                                                               | i                                                | !            | 1                                                |              |                                                  |                | i                                                |                                                  |                                                  | <u> </u>                                         |                                       |                                                  |                                        |              |                                                  |                                                  | l            |                   |                                                  | <u> </u>     |
|                    |                                                                               |                                                  | 1            |                                                  |              |                                                  |                |                                                  |                                                  | 1                                                |                                                  |                                       |                                                  |                                        |              |                                                  | Ĭ                                                | Ĭ .          |                   |                                                  |              |
| 1                  |                                                                               | 1                                                |              | 1                                                | 1            | ļ                                                |                | ļ                                                | ļ                                                | 1                                                | 1                                                |                                       |                                                  |                                        |              | ł                                                |                                                  | 1            | ļ                 |                                                  |              |
|                    |                                                                               | 1                                                |              | <del>                                     </del> |              |                                                  |                |                                                  |                                                  | 1                                                |                                                  |                                       |                                                  |                                        |              |                                                  | 1                                                |              |                   |                                                  |              |
|                    |                                                                               |                                                  |              | ļ                                                | 1            | i                                                | 1              | l                                                |                                                  | 1                                                |                                                  |                                       |                                                  | 1                                      |              | ļ                                                |                                                  |              |                   |                                                  |              |
|                    |                                                                               | 1                                                | 1            | 1                                                | i —          | 1                                                | 1              |                                                  | 1                                                | 1                                                |                                                  |                                       |                                                  | 7                                      |              |                                                  | i                                                | T -          |                   | i                                                |              |
|                    |                                                                               | 1                                                | 1            | ļ                                                |              | ŀ                                                | 1              |                                                  | 1                                                |                                                  | 1                                                |                                       |                                                  |                                        |              | ļ                                                |                                                  | 1            | 1                 | ł                                                |              |
| }                  |                                                                               | <del> </del>                                     | <del> </del> | †                                                | l            |                                                  | <b> </b>       | <del>                                     </del> | <b>!</b>                                         | <del>                                     </del> | 1                                                |                                       |                                                  | 1                                      |              |                                                  | <u> </u>                                         | 1            |                   |                                                  | † <u>-</u> - |
|                    |                                                                               |                                                  |              | 1                                                |              |                                                  | 1              |                                                  |                                                  | 1                                                | 1                                                |                                       |                                                  | 1                                      |              |                                                  |                                                  | l .          |                   |                                                  | 1            |
|                    |                                                                               |                                                  | <del> </del> |                                                  | <del> </del> | <del> </del>                                     | <del> </del>   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del> </del>                          | <b></b>                                          | 1                                      |              | <del>                                     </del> | <del>                                     </del> | <del> </del> | 1                 | <b> </b>                                         | <del> </del> |
|                    |                                                                               |                                                  |              | ļ                                                |              |                                                  |                |                                                  |                                                  |                                                  |                                                  | 1                                     |                                                  |                                        |              |                                                  |                                                  |              |                   |                                                  |              |
| <del></del>        |                                                                               | <del>                                     </del> | <del> </del> | <del> </del>                                     | <del> </del> |                                                  | <del> </del>   | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | 1                                                | <del> </del>                          | <del>                                     </del> | +                                      |              | <del> </del>                                     | <del> </del>                                     | 1            | 1                 | <b></b>                                          |              |
|                    |                                                                               |                                                  |              |                                                  |              |                                                  |                | 1                                                |                                                  |                                                  |                                                  |                                       |                                                  |                                        |              |                                                  |                                                  |              | 1                 |                                                  |              |
|                    |                                                                               | <del> </del>                                     | +            | <del> </del>                                     | -            | <del>                                     </del> | <del> </del>   | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                          | <del> </del>                                     | +                                      | <b> </b>     | <del> </del>                                     |                                                  | -            | <del> </del>      | <del>                                     </del> | <del> </del> |
| }                  |                                                                               |                                                  |              |                                                  |              |                                                  | 1              |                                                  |                                                  |                                                  |                                                  |                                       |                                                  | 1                                      |              |                                                  |                                                  | 1            | 1                 |                                                  |              |
| Element (X)        |                                                                               | Σ.,                                              | J            | <del> </del>                                     | Z.           | <del></del> -                                    |                | -                                                | <del></del>                                      | No. O                                            | ha.                                              | 1                                     | L                                                | ــــــــــــــــــــــــــــــــــــــ | Mege         | No. of H                                         | Outs wit                                         | h Tempera    | ture              | 1                                                |              |
| Rel. Hum.          | Tχ' Tχ Ν σπ No. Obs. Mean No. ο 3903924 58984 63-612-926 928 ±0 F ±32 F ≥67 F |                                                  |              |                                                  |              |                                                  |                |                                                  |                                                  |                                                  |                                                  |                                       |                                                  |                                        | 73 F         | ≥ 80 F                                           | ≥ 93                                             | F            | Total             |                                                  |              |
| Dry Bulb           |                                                                               | 27(                                              | 33060        | <del></del>                                      | 163          | 124                                              | 17.4           | 20.9                                             | 110                                              |                                                  | 30                                               | 24                                    |                                                  | 65,0                                   |              | +-                                               | . , , , ,                                        | - 00 F       | <del>  - /3</del> | <del>'  </del>                                   | 93           |
| Wet Bulb           | ļ                                                                             |                                                  | 20050        |                                                  |              | 704                                              | 14.4           | 18.5                                             | 12                                               |                                                  | 28                                               |                                       | •0                                               | 74.6                                   | <del> </del> |                                                  |                                                  | <del> </del> | <del>- </del>     |                                                  | 93           |
| Dew Point          | ļ                                                                             |                                                  |              |                                                  |              | 62                                               | 470            | 10.5                                             | 16                                               |                                                  | 28                                               | 30                                    |                                                  | 90.4                                   |              |                                                  |                                                  | <del> </del> |                   |                                                  | 93           |
| Dew Foint          | L                                                                             | 21                                               | 61391        |                                                  |              | 00                                               | -94            | 18.5                                             | 22                                               |                                                  | 40                                               |                                       | •                                                | <u> 7717</u>                           | <u> </u>     |                                                  |                                                  | <u></u>      |                   |                                                  |              |

| 24112<br>STATION | MALMS   | ROM   | AFB ST | MT/G         | REAT | FAL    | LS         |       | 68-    | 77       |                                                  |         | · YE                                             | ARS                                              |            |       |           | ·· <del>····</del> |            | AN<br>NTH   |
|------------------|---------|-------|--------|--------------|------|--------|------------|-------|--------|----------|--------------------------------------------------|---------|--------------------------------------------------|--------------------------------------------------|------------|-------|-----------|--------------------|------------|-------------|
|                  |         |       |        |              |      |        |            |       |        |          |                                                  |         |                                                  |                                                  |            |       | PAG       | E 1                |            | L L. S. T.) |
| Temp.            |         |       |        | ····         | WET  | BULB T | EMPER      | ATURE | DEPRE  | SSION    | (F)                                              |         |                                                  |                                                  |            |       | TOTAL     |                    | TOTAL      |             |
| (F)              | 0 1 - 2 | 3 - 4 | 5 - 6  | 7 - 8        |      |        |            |       |        |          |                                                  | 23 - 24 | 25 - 26                                          | 27 - 28 2                                        | 9 - 30     | 2 31  |           | Dry Bulb           |            | Dew Point   |
| 64/ 63           | i       | †     |        |              |      | i      | .0         | f     |        |          |                                                  |         | 1                                                |                                                  |            |       | 1         | 1                  |            |             |
| 62/ 61           |         | ļ     |        |              |      |        |            | .0    | •0     |          |                                                  |         | 1                                                |                                                  |            |       | 2         | 2                  |            |             |
| 60/ 59           |         |       |        |              |      |        | •0         | .0    | •0     |          |                                                  |         |                                                  |                                                  |            |       | 7         | 7                  |            |             |
| 58/ 57           |         |       |        |              | • 1  | -1     | .1         |       | .0     |          |                                                  |         | ļ                                                |                                                  | •          |       | 16        | 16                 | į į        |             |
| 56/ 55           | 1       | i     |        | •1           | • 1  | .1     | •0         | .0    | •1     |          |                                                  |         |                                                  |                                                  |            |       | 26        | 26                 |            |             |
| 54/ 53           |         | ļ     | •0     |              | • 3  | . 1    | . 1        | .1    | •0     |          |                                                  |         |                                                  |                                                  |            |       | 57        | 57                 |            |             |
| 52/ 51           |         | •0    | .0     | • 2          | • 2  | • 1    | . 1        | .0    | •      |          |                                                  |         |                                                  |                                                  |            |       | 51        | 51                 |            |             |
| 50/ 49           |         | .0    | , 2    | • 3          | • 3  | .1     | . 2        | .1    |        |          | $\perp$                                          |         |                                                  |                                                  |            |       | 87        | 87                 | 2          |             |
| 48/ 47           |         | •1    | .3     |              | • 3  | .4     | . 1        | - 1   |        |          |                                                  |         | İ                                                |                                                  | 1          |       | 119       | 119                | 14         |             |
| 46/ 45           |         | .2    |        |              | .9   |        | • 1        |       |        |          |                                                  |         | <u> </u>                                         |                                                  |            |       | 221       | 221                | 45         |             |
| 44/ 43           | (       |       |        |              |      |        | •0         | Į     |        |          |                                                  |         |                                                  | i                                                |            |       | 283       | 283                | 86         | 2           |
| 42/ 41           |         | . 6   |        | 1.3          | •6   | • 2    |            |       |        |          |                                                  |         | ļ                                                |                                                  |            |       | -323      | 323                | 82         | 5           |
| 40/ 39           | •       | 1 1.0 | 1.8    |              | • 4  |        |            | 1     |        |          |                                                  |         |                                                  |                                                  |            |       | 356       | 356                | 173        | 24          |
| 38/ 37           |         | 1 1.3 | 1.6    | .9           | 2    | '      |            |       |        |          | 1                                                |         | !                                                |                                                  |            |       | -315      | 315                | 261        | 40          |
| 36/ 35           | •1] •3  |       |        |              | * 4  |        | 1          |       |        |          |                                                  |         | 1                                                | 1 1                                              |            |       | 297       | 297                | 408        | 93          |
| 34/ 33           | .0      |       | 2.1    | .6           |      |        |            |       |        |          |                                                  |         | <del> </del>                                     |                                                  |            |       | 328       | 328                | 485        | 118         |
| 32/ 31           | • 1     |       |        |              |      |        |            | ľ     |        |          |                                                  |         | {                                                |                                                  | - [        |       | 251       | 251                | 403        | 176         |
| 30/ 29           |         |       |        |              |      |        |            |       |        |          | ╂                                                |         | ╁                                                | <del>  </del> -                                  |            |       | 274       | 274                | 395        | 254<br>337  |
| 28/ 27           | -1      |       | 5      |              |      |        |            |       |        |          | 1 1                                              |         | 1                                                |                                                  |            |       | 252       | 252                | 355        | 272         |
| 26/ 25           |         |       |        |              |      |        |            |       |        |          | <del>                                     </del> |         | <del>                                     </del> | <del>                                     </del> |            |       | 206       | 206<br>214         | 370<br>298 | 257         |
| 24/ 23           | .2 1.   |       |        | 1            |      |        |            | l     |        | ļ        |                                                  |         | 1                                                | 1 1                                              |            |       | .214      | 196                | 295        | 391         |
| 22/ 21 20/ 19    |         |       |        | .0           |      |        |            |       |        | <u> </u> |                                                  |         | <del> </del>                                     | $\vdash \vdash \vdash$                           |            |       | 185       | 185                |            | 438         |
| 20/ 19           | 2 1.4   | 6 .7  |        | • •          |      |        |            |       |        |          |                                                  |         | 1                                                | 1 1                                              |            |       | 183       | 183                | 232        | 387         |
| 16/ 15           | .3 2.   | 0 -4  |        |              |      |        |            |       |        |          | 1                                                |         | <del> </del>                                     |                                                  |            |       | 191       | 191                | 222        | 369         |
| 14/ 13           | .3 1.   | . 1   |        |              |      |        |            | ŀ     |        |          | 1 1                                              |         |                                                  |                                                  |            |       | 140       | 142                | 183        | 351         |
| 12/ 11           | .5 1.   |       |        |              |      |        |            |       |        |          | <del>                                     </del> |         | <del> </del> -                                   | 1                                                |            |       | 172       | 172                |            | 330         |
| 10/ 9            | 6 1.    | i i   | 1      |              |      |        |            |       |        |          |                                                  |         |                                                  |                                                  | - 1        |       | 177       | 178                |            | 398         |
| 8/ 7             | .3 1.   | 5 .1  | i      | <del> </del> |      |        |            |       |        |          |                                                  |         | 1                                                | 1                                                |            |       | 148       | 148                | 149        | 214         |
| 6/ 5             | .3 1.   | 5     |        |              |      |        |            |       |        |          |                                                  |         |                                                  |                                                  | - 1        |       | 136       | 139                | 1 17       | 160         |
| 4/ 3             | .3 1.   |       | i      |              |      |        |            |       |        |          | † †                                              |         | 1                                                |                                                  |            |       | 134       | 135                | 135        |             |
| 2/ 1             |         | 9     |        | 1            |      |        |            |       |        |          |                                                  |         |                                                  | i i                                              | - 1        |       | 180       | 180                |            |             |
| 0/ -1            | 1.5     | 7     |        | f            |      |        |            |       |        |          |                                                  |         | 1                                                |                                                  |            |       | 164       | 164                | 211        | 120         |
| -2/ -3           | i.d     | 8     |        | 1            |      | 1      | l I        |       |        |          | 1 1                                              |         |                                                  | l l                                              |            |       | 133       | 133                |            | 150         |
| Element (X)      | Σχ²     |       |        | Σχ           |      | X      | <b>₹</b> g |       | No. Ob |          |                                                  |         |                                                  | Mean No                                          | r. of Hour | s wit | h Tempera | ture               |            |             |
| Rel. Hum.        |         |       |        |              |      |        |            |       |        |          | ± 0 F                                            |         | ≤ 32 F                                           | ≥ 67                                             | F ≥ 7:     | 3 F   | = 80 F    | ≥ 93               | F          | Total       |
| Dry Bulb         |         |       |        |              |      |        |            |       |        |          |                                                  |         |                                                  |                                                  |            |       |           |                    |            |             |
| Wet Bulb         |         |       |        |              |      |        |            |       |        |          | L,                                               |         |                                                  |                                                  |            |       | ļ         |                    |            |             |
| Dew Point        |         |       |        |              |      |        | L          |       |        |          | L                                                |         |                                                  | <u> </u>                                         |            |       | <u> </u>  |                    |            |             |
|                  |         |       |        |              |      |        |            |       |        |          |                                                  |         |                                                  |                                                  |            |       | •         |                    |            |             |

## **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA                        | LMST            | ROM   | AFB I    | MT/GI    | REAT   | FALI     | <u>.s</u>      |         | 68-      | 77       |              |          | VF           | ARS     |                |               |                                              |      | J /           | AN         |
|------------------|---------------------------|-----------------|-------|----------|----------|--------|----------|----------------|---------|----------|----------|--------------|----------|--------------|---------|----------------|---------------|----------------------------------------------|------|---------------|------------|
| 3141101          |                           |                 |       | 31       | A110N NA | ME     |          |                |         |          |          |              |          |              | ~~~     |                |               | PAGE                                         | 2    | HOURS (       | LL         |
| Temp             |                           |                 |       |          |          | WET    | BULB T   | EMPER/         | TURE    | DEPRE    | SSION    | (F)          |          |              |         |                |               | TOTAL                                        |      | TOTAL         |            |
| (F)              | 0                         | 1 . 2           | 3 - 4 | 5 - 6    | 7 - 8    | 9 - 10 | 11 - 12  | 13 - 14 1      | 15 - 16 | 17 - 18  | 19 - 20  | 21 - 22      | 23 - 24  | 25 - 26      | 27 - 28 | 29 - 30        | ≥ 31          | D.B./W.B.                                    |      |               |            |
| -4/ -5           | 2.2                       | .6              |       |          |          |        |          |                |         |          | ŀ        |              |          |              |         |                |               | -208                                         | 208  | 206           | 154        |
| -6/ -7           | 2.0                       | • 5             |       |          |          |        |          |                |         | 1        |          | _            |          |              |         |                |               | 192                                          | 192  | 198           | 152        |
| -8/ -9           | 2.7                       | .2              |       |          |          |        |          | i              |         |          |          |              |          |              |         |                |               | .213                                         | 213  | 227           | 178        |
| -10/-11          | 2.7                       | . 1             |       |          |          |        |          |                |         |          |          |              |          |              |         |                |               | 206                                          | 207  | 202           | 177        |
| -12/-13          | 2.3                       | •0              |       |          |          |        |          |                |         | į        |          |              |          | 1 1          | ł       | l              |               | 173                                          | 173  | 180           | 192        |
| -14/-15          | 2.0                       |                 |       |          |          |        |          |                |         | <u> </u> |          |              |          |              |         |                |               | 150                                          | 150  | 150           | 183        |
| -16/-17          | . 9                       |                 |       |          |          |        |          | İ              |         |          |          | 1            |          |              |         |                |               | 64                                           | 64   | 64            | 162<br>159 |
| -18/-19          | . 8                       |                 |       |          |          |        |          |                |         |          |          |              |          |              |         |                |               | 61                                           | 61   | 61            | 159        |
| -20/-21          | 1.6                       |                 |       |          |          |        |          | T              |         |          |          |              |          | 1 1          |         |                |               | 120                                          | 120  | 120           | 166        |
| -22/-23          | • 8                       |                 |       |          |          |        |          |                |         |          |          |              |          | <u> </u>     |         |                |               | 62                                           | 62   | 62            | 173        |
| -24/-25          | .7                        |                 |       |          |          |        |          | 1              |         |          | 1        |              |          | 1            | 1       |                |               | 54                                           | 54   | 54            | 118        |
| -26/-27          | . 5                       |                 |       |          |          |        |          |                |         |          |          | <u> </u>     |          |              |         |                |               | 37                                           | 37   | 37            | 124        |
| -28/-29          | .4                        |                 |       |          |          |        | i i      | l              |         |          | l        | 1            |          |              | - 1     | - 1            |               | 28                                           | 29   | 28            | 100        |
| -30/-31          | 2                         |                 |       |          |          |        |          |                |         |          | <u> </u> |              |          |              |         |                |               | 16                                           | 16   | _16           | 66         |
| -32/-33          | . 2                       |                 |       |          | i 1      |        |          | - 1            |         | İ        | 1        | 1            |          |              | ı       | - 1            |               | 15                                           | 16   | 15            | 58         |
| -34/-35          | . 1                       |                 |       |          |          |        |          |                |         |          |          | <u> </u>     |          |              |         |                |               | 6                                            | 6    | 6             | 33         |
| -36/-37          |                           |                 |       |          |          |        |          | - 1            |         |          |          | 1            |          |              |         | l              |               |                                              |      |               | 23         |
| -38/ ·39         |                           |                 |       |          |          |        |          |                |         | <u> </u> | <u> </u> | L            |          |              |         |                |               |                                              |      | <u> </u>      | 17         |
| -40/-41          |                           |                 |       |          |          | •      | استحراته | ´              |         |          |          | ~ ~          | <b> </b> |              |         | - 1            |               |                                              |      |               | 12         |
| -42/-43          |                           |                 |       |          |          |        | 1        |                |         | 1        | .,4      | <u> </u>     | <u>'</u> | $oxed{oxed}$ |         |                |               | <u>                                     </u> |      |               | 6          |
| TOTAL            | 27.3                      | 26.1            | 16.1  | 14.8     | 8.1      | 4.7    | 2.0      | -6             | (3      | ,1       |          |              |          |              |         |                |               |                                              | 7440 |               | 7430       |
|                  |                           |                 |       |          |          |        |          |                |         |          |          |              |          |              |         |                |               | 7430                                         |      | 7430          |            |
|                  |                           |                 |       |          |          |        |          |                |         |          |          |              |          |              |         | $\neg \dagger$ | <del></del>   |                                              |      |               |            |
|                  |                           |                 |       |          |          |        |          |                |         |          | -        | <del> </del> | -        |              |         |                |               |                                              |      | <del> </del>  | <u> </u>   |
|                  |                           |                 |       | <u> </u> |          |        |          |                |         |          | -        |              |          |              |         |                |               | <del>  </del>                                |      |               |            |
|                  |                           |                 |       |          |          |        | <u> </u> |                |         |          |          |              |          | <u> </u>     |         |                |               | <u> </u>                                     |      |               | <u> </u>   |
|                  |                           |                 |       |          |          |        |          |                |         |          |          | 1            |          |              |         |                |               |                                              |      |               |            |
|                  |                           |                 |       |          |          |        |          |                |         |          |          |              |          |              |         |                |               |                                              |      |               |            |
| Element (X)      |                           | Z <sub>X²</sub> |       |          | Σχ       |        | X        | σ <sub>g</sub> |         | No. O    |          |              | <u> </u> | <u> </u>     |         |                |               | h Temperat                                   |      | <del></del> , | L          |
| Rel. Hum.        |                           |                 | 6252  |          | 4640     | 20     | 62.5     | 14.0           | 05      | 74       | 30       | ₫ 0          |          | ⊴ 32 F       | ≥ 67    | F 2            | 73 <b>'</b> F | > 80 F                                       | = 93 | F             | Total      |
| Dry Bulb         |                           |                 | 3939  |          | 1360     |        | 18.3     | 21.30          | 06      |          | 40       |              |          | 95.1         |         |                |               | ļ                                            |      |               | 744        |
| Wet Bulb         | 4311881 112659 15.218.721 |                 |       |          |          |        |          |                |         |          | 30       | 198          | .9 3     | 88,2         |         | _ _            |               | <u> </u>                                     | ┷    |               | 744        |
| Dew Point        | 2899495 50483 6.818,551   |                 |       |          |          |        |          |                |         | 74       | 30       | 252          | .6 7     | 15,8         |         | - 1            |               | 1-                                           | 1    | - 1           | 744        |

bm 0.26-5 (OLA) revised previous equinous of this form are obs

Wet Bulb Dew Pains

| 14/-15<br>16/-17<br>Flement (X) | 1         | Σχ²       |       |        | ž <sub>X</sub> |        | X       | <b>₹</b> |         | No. Ob                                           |                                                  |                                                  |             | Meen                                   | No. of        | Hours wil     | h Temperate | 1        | 1        | <u> </u>     |
|---------------------------------|-----------|-----------|-------|--------|----------------|--------|---------|----------|---------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------|----------------------------------------|---------------|---------------|-------------|----------|----------|--------------|
|                                 | . 1       |           |       |        |                |        |         |          |         | ļ                                                | 1                                                |                                                  | i           | -                                      |               |               | 1           | 1        | 1        |              |
| 14/[71                          |           |           |       | . ,    |                |        |         |          | I       | 1                                                | 1                                                | 1 1                                              |             | - 1                                    | I             | i i           | 1           |          |          |              |
|                                 |           |           |       |        |                |        |         |          |         | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |             |                                        | +             | +             | - 3         |          |          | <del> </del> |
| 0/-11                           | . 4       |           |       |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        | 1             |               | 2 3         | 3        | 2        | !            |
| ·F./ -9                         | 1.6       |           |       |        |                |        |         |          |         | <del>├</del> ─-                                  | ļ                                                | <del> </del> -                                   |             | -                                      | -             | <del> </del>  | 14          | 14       | 14       |              |
| · · · / -7                      | . 6       |           |       |        |                |        |         |          |         |                                                  |                                                  |                                                  | 1           | l                                      | 1             |               | 5           | 5        | . 6      |              |
| -4/-5                           | 7         | .6        |       |        |                |        |         |          |         | <del> </del>                                     |                                                  |                                                  |             |                                        | <del> </del>  | 1             | 11          | 12       | 11       |              |
| 2/ -3                           | 1.3       |           |       |        |                |        |         |          |         | .                                                |                                                  |                                                  |             |                                        |               |               | 13          | 14       | 15       |              |
| 0/ -1                           | 1.3       | .5        |       |        |                |        |         |          |         | <u> </u>                                         |                                                  |                                                  |             |                                        |               |               | 15          | 17       | 18       | L            |
| 2/ 1                            | .5        | 1.8       |       |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | 19          | 20       | 17       |              |
| 4/ 3                            | . 6       | 1.1       |       |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | 14          | 15       | 12       |              |
| 6/ 5                            | 1.6       |           |       |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | 19          | 19       | 26       |              |
| 8/ 7                            | 1.0       | 1.6       |       |        |                |        |         |          |         |                                                  |                                                  |                                                  | l           |                                        |               | 1             | 21          | 23       | 20       |              |
| 0/ 9                            | •6        |           |       |        |                |        |         |          | ·       |                                                  |                                                  |                                                  |             |                                        | 1             |               | 13          | 14       | 15       |              |
| 2/ 11                           | 1.3       | 1.3       | . 4   |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | 25          | 25       | 21       |              |
| 4/ 13                           | . 8       |           |       |        |                |        |         |          |         | <b> </b>                                         | l                                                | <del>                                     </del> | -+          |                                        | 1             | 1             | 15          | 16       | 22       |              |
| 6/ 15                           | 1.2       | 1.6       | . 4   |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        | 1             |               | 26          | 27       | 34       |              |
| 8/ 17                           | 1.0       |           | • 5   |        |                |        |         |          |         | <b>†</b>                                         | <del>                                     </del> | t                                                | <del></del> |                                        | 1             | +             | 32          | 32       | 29       |              |
| 0/ 19                           | 1.0       | 2.3       | . 4   | ļ      |                |        |         |          |         |                                                  | l                                                |                                                  |             |                                        |               |               | 30          | 30       | 32       |              |
| 2/ 21                           | .7        | 2.3       | • 7   |        |                | -      |         |          |         |                                                  | <del>                                     </del> | <del>                                     </del> |             |                                        | 1             | 1             | 31          | 31       | 51       |              |
| 4/ 23                           | 5         | 2.6       | . 8   | • 2    |                |        |         |          |         |                                                  |                                                  |                                                  | İ           |                                        |               | İ             | 33          | 33       | 60       |              |
| 6/ 25                           | 1.3       |           | 1.3   | . 2    |                |        |         |          |         |                                                  |                                                  |                                                  |             | <del></del>                            | +             | +             | 48          | 48       | 93       |              |
| 0/ 29<br>8/ 27                  | . 1       | .7<br>3.2 | 5.7   | .7     | • 4            |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | 65          | 65       | 51<br>91 |              |
| 2/ 31                           |           | • 7       |       | 2.1    | • 4            |        |         |          |         |                                                  |                                                  | <del>                                     </del> |             | -                                      | +             | <del> </del>  | 67          | 67       | 75       | -            |
| 4/ 33                           |           | • 2       | 1.4   | 3.3    | 8.             |        |         |          |         | 1                                                |                                                  | <b>!</b>                                         | ŀ           |                                        |               |               | 49          | 47       | 63       |              |
| 6/ 35                           |           | _ •       | 3.1   | 2.6    | - 6            |        |         |          |         | ļ.——                                             |                                                  |                                                  |             |                                        | <del>-i</del> |               | 55          | 55<br>49 | 35       |              |
| 8/ 37                           |           |           | 2.0   | 3.0    | 1.0            |        |         |          |         |                                                  |                                                  | !                                                |             |                                        |               | 1             | 54          | 54       | 10       |              |
| 0/ 39                           |           |           | 8     | 2.7    | يجعب           |        |         |          |         |                                                  |                                                  | <del>                                     </del> |             | _                                      |               | ┤──           | 41          | 41       | 6        |              |
| 2/ 41                           | ļ         |           |       | . 6    | • 7            | 1.2    |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | 21          | 21       | 2        |              |
| 4/ 43                           |           |           |       | 5      | 1,6            | . 7    | • 2     |          |         | <b></b>                                          |                                                  | ├                                                | _           |                                        | -             | <del>- </del> | 25          | 25       |          |              |
| 6/ 45                           |           |           |       | • 2    | • 6            | • 4    |         | .5       |         | ]                                                |                                                  |                                                  |             | İ                                      |               | 1             | 14          | 14       |          |              |
| 8/ 47                           |           |           | I     | -1     | - 4            |        | -,1     |          |         |                                                  |                                                  |                                                  |             |                                        |               | <u> </u>      | 5           | 5        |          |              |
| 2/ 51                           |           |           |       |        |                |        | • 1     | • 1      |         |                                                  |                                                  |                                                  |             |                                        |               |               | 2           | 2        |          |              |
| (F)                             | 0         | 1 - 2     | 3 - 4 | 5 . 6  | 7 - 8          | 9 - 10 | 11 - 12 | 13 - 14  | 15 - 16 | 17 - 18                                          | 19 - 20                                          | 21 - 22 2                                        | 3 - 24 25   | - 26 27 - 2                            | 3 29 - 3      | 0 ≥ 31        | D.B./W.B.   | Dry Bulb | Wet Bulb | Dew          |
| Tmp                             | -         |           |       |        |                | WET    | BULB T  | EMPER    | ATURE   | DEPRE                                            | SSION (                                          | F)                                               |             | ·~···································· |               |               | TOTAL       |          | TOTAL    |              |
|                                 |           |           |       |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               |             | •        | HOURS (  |              |
|                                 |           |           |       |        |                |        |         |          |         |                                                  |                                                  |                                                  |             |                                        |               |               | PAGE        | 1        | 0000-    | -02          |
| 112<br>STATION                  | <u>na</u> | LMJII     | KUPL  | 4F D 1 | ATION H        | REAT   | PALI    | <u> </u> |         | 68-                                              |                                                  |                                                  |             | YEARS                                  |               |               |             |          | MOI      | B            |

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#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -18/-19 9 -20/-21 -22/-23 2 2 -26/-27 -28/-29 TOTAL 3 19.328.823.017.4 7.5 2.9 838 838 838

68-77

Element (X) No. Obs. Mean No. of Hours with Temperature 55703 66.515.304 23.914.062 Rel. Hum. 3898693 838 267 F 273 F 280 F 293 F 10F 1 32 F Dry Bulb 652112 20280 7.0 57.7 849 21.611.946 13.811.530 72,4 Wet Bulb 490238 17630 838 7.3 Dew Point 276515 11557 838

# **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS STATION NAME | 68-77 YEARS | FEB<br>MONTH                  |
|------------------|-------------------------------------------|-------------|-------------------------------|
|                  |                                           | PAGE 1      | 0300-0500<br>HOURS (L. S. T.) |

| Tems    |     |                   |                |       |       |       | WET | BULB '   | TEMPER                                 | ATURE        | DEPRI        | ESSION       | (F)          |              |                |                                                  |               |             | TOTAL                                  |             | TOTAL       |               |
|---------|-----|-------------------|----------------|-------|-------|-------|-----|----------|----------------------------------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------------------------------------------|---------------|-------------|----------------------------------------|-------------|-------------|---------------|
| (F)     |     | 0                 | 1 - 2          | 3 - 4 | 5 - 6 | 7 . 8 |     |          |                                        |              |              |              |              | 23 - 24      | 25 . 26        | 27 . 21                                          | 129 . 3       | 0 = 31      |                                        | Dry Bulb    |             | Dew Point     |
| 50/     |     |                   | <del></del>    |       |       |       | •2  |          |                                        | 1.30         | 117-10       | 177.44       |              |              | 1.5            |                                                  | -             |             | 3                                      | 3           |             |               |
| 48/     |     |                   | į              |       |       | و ا   | 7 - | ••       |                                        |              | 1            | l            | l            | 1            | ļ              | }                                                | -             | 1           | 2                                      | 2           | 1           | 1             |
| 46/     | 44  |                   | <del> </del> - |       | . 2   | ,8    | • 1 | <b></b>  | .2                                     | <del></del>  | <del> </del> | <del> </del> | <del> </del> |              | <del> </del>   | <del> </del>                                     | <del> </del>  | +           | 12                                     | 12          |             | <del> </del>  |
| 44/     |     |                   | }              |       | .8    | .7    | •1  | •2       | 1                                      | ł            | i            | l            | Ì            | ł            | l              | ļ                                                | 1             | ì           | 17                                     | 17          | l           |               |
| 42/     |     |                   | <del> </del>   | ·ź    |       |       |     |          | 9.3                                    | <del> </del> | <del> </del> | <del> </del> | <del> </del> |              | <del> </del> - | ·                                                | <del> </del>  | <del></del> | 37                                     | 37          | <del></del> | <del> </del>  |
| 40/     |     |                   | ł              | .6    |       | 1 7 0 | .7  |          | ļ                                      | l            | 1            | 1            | 1            | 1            |                | 1                                                | 1             | ł           | 41                                     | 41          | 2           |               |
| 38/     | 37  |                   |                | 1.8   | 2 0   | 404   |     |          | <del> </del>                           | <del> </del> | <del> </del> | <del> </del> | <del> </del> |              | <del> </del> - | <del> </del>                                     | ├             |             |                                        | 51          | 6           |               |
| 20/     | 25  |                   | Ì              | 2.4   |       | 1.4   |     |          | ł                                      | 1            | l            | l            | ł            | 1            | 1              | }                                                | Ì             | 1           | 51                                     | 54          |             |               |
| 36/     | 22  |                   | <del> </del> , |       | 2.0   | • 2   |     |          | <b> </b> -                             | <b> </b> -   |              | <del> </del> |              |              | <del> </del>   | <del> </del>                                     | ┼             | <del></del> | 54                                     | 41          |             | <del> </del>  |
| 34/     |     |                   | • 1            | 2.0   | 2.2   |       |     | }        | l                                      | 1            | ł            | }            | 1            | 1            | 1              | 1                                                | 1             | ł           | 41                                     |             | 54          |               |
| 32/     | 31  |                   |                | 3.6   | 1.7   |       |     |          | <b></b>                                | <b> </b>     | <del> </del> | <del> </del> | <del> </del> | <del> </del> | <del> </del>   | <del> </del> -                                   | <del> </del>  | <del></del> | 50                                     | 50          | 70          |               |
| 30/     | 27  |                   | 1.1            | 4.3   | 1.2   |       |     | }        | }                                      | }            |              | l            | i            | l            | l              | 1                                                | 1             | -           | 55                                     | 55          |             | 10            |
| 28/     |     | <u>• <u> </u></u> | 2.0            |       |       |       |     |          | <b></b> -                              | ļ            | <b>!</b>     | <del> </del> |              |              | <del></del>    | <del> </del>                                     | <del></del>   | -├          | 53                                     | 53          |             | 45            |
| 26/     |     | • 7               |                |       |       |       |     | <b>\</b> | ļ                                      | ĺ            | j            | ļ            | <b>.</b>     |              | <b>S</b>       | Í                                                |               | 1           | 47                                     | 47          | 68          |               |
| 24/     | 23  |                   | 3.6            | 1.9   |       |       |     |          | ļ                                      | <b> </b>     | <b> </b>     | ļ            | <b> </b>     | ļ            | <u> </u>       | ļ                                                | <del>↓</del>  |             | 52                                     | <u>52</u>   | 66          | 47<br>65      |
| 22/     |     | .4                | 3.0            | • 5   |       |       |     |          | !                                      | ļ            | )            | ļ            | <b>j</b> .   |              | }              | 1                                                | }             | 1           | 32                                     | 32          |             | 00            |
| 20/     | 19  | 7                 | 1.2            | •6    |       |       |     |          |                                        | ļ            | <u> </u>     | ļ            |              |              | <b> </b>       | <del>  </del>                                    | ļ             | <b>-</b>    | 21                                     | 21          | 41          | 87            |
|         | 17  |                   | 2.4            |       |       |       |     | ]        | ļ                                      | ]            | j            | }            | •            |              | <b>J</b>       | ]                                                | 1             | 1           | 34                                     | 36          |             | 63            |
| 16/     | 15  | 102               |                | 1.0   |       |       |     |          | ļ                                      | <u> </u>     | <u> </u>     | <u> </u>     |              | ļ            | <u> </u>       | <u> </u>                                         | <u> </u>      | <u> </u>    | 33                                     | 33          | 33          | 86            |
| 14/     | 13  | 1,2               | 1.2            | -1    |       |       |     |          | ļ                                      | ]            | j            | 1            | )            | 1            | ļ              | ]                                                | 1             | }           | 21                                     | 23          |             | 48            |
| 12/     | 11  | 8                 | 8              |       |       |       |     |          |                                        | <u> </u>     |              | <u> </u>     | <u> </u>     |              | <u> </u>       |                                                  | <u> </u>      |             | 15                                     | 15          |             |               |
| 10/     | 9   | .6                | . 8            |       |       |       |     | ]        | ]                                      | ]            | 1            | }            | 1            |              | }              | ]                                                | 1             | 1           | 12                                     | 14          | 9           | 38            |
| 8/      | 7   | . 8               | 8              |       |       |       |     |          |                                        |              |              | <u> </u>     |              |              |                | <u> </u>                                         | <u> </u>      |             | 14                                     | 15          | 14          | 27            |
| 6/      | 5   | .6                | 1.1            | 1     |       |       |     |          |                                        |              | 1            | 1            | 1            | j            | }              | 1                                                | 1             | }           | 14                                     | 14          |             | 17            |
| 4/      | 3   | 1.4               | 1.7            |       |       |       |     |          |                                        |              | L            | l            | <u></u>      |              | L              |                                                  |               |             | 26                                     | 27          |             | 10            |
| 2/      | 1   | 2.2               | 1.6            |       |       |       |     |          |                                        |              |              |              |              |              |                |                                                  | 1             | 1           | 31                                     | 33          | 31          | 18            |
| 0/      | ·-1 | 1.1               | .4             | İ     |       |       |     |          |                                        |              | l            |              |              |              | l .            | l                                                | l             | 1           | 12                                     | 15          | 19          | 14<br>26      |
|         | 3   | .6                | .4             |       |       |       |     |          |                                        |              |              |              |              |              |                |                                                  | T             | 1           | 8                                      | 9           | 8           | 26            |
| -4/     | -5  | .6                | .4             | ĺ     |       |       |     |          | [                                      | 1            | l            | 1            | [            |              | 1              | l                                                | 1             | 1           | 7                                      | 7           | 7           | Ž3            |
| 6/      | -7  | 1.9               | .2             |       |       |       |     |          |                                        |              |              |              |              |              | T              | T                                                | Π             | 7           | 18                                     | 18          | 20          | 23            |
| -8/     |     | 1.3               |                | (     |       |       |     |          |                                        | ĺ            | (            | 1            | [            |              | 1              |                                                  | 1             | 1           | 11                                     | 11          | 11          | 16            |
| -10/-   | -11 |                   |                |       |       |       |     |          |                                        |              | T            |              |              |              | T              |                                                  | 1             | 1           | 2                                      | 2           | 2           | 16<br>10<br>5 |
| 12/     |     | .7                | (              |       |       |       |     |          |                                        | 1            | 1            | 1            | [            |              | 1              |                                                  | 1 .           | 1           | 6                                      | 6           | 6           | 5             |
| -14/    |     |                   | T              |       |       |       |     |          |                                        |              |              | <b></b>      |              |              | <b> </b>       |                                                  |               | 1           | <del>-</del>                           |             | <u>~</u>    | 11            |
| -16/-   | .17 | . 1               | [              |       |       |       |     |          | Ì                                      | ĺ            |              |              |              |              | 1              | 1                                                | 1             | 1           | 1 1                                    | 1           | 1           | 11            |
| Elemen  |     |                   | Z X 2          |       |       | Σχ    |     | X        | <b>7</b> 8                             |              | No. Ol       | . 1          | L            |              |                | Mean                                             | No. of        | lours wit   | h Temperat                             | ure         |             |               |
| Rel. Hu |     |                   |                |       |       |       |     |          | <u> </u>                               | _            |              |              | 10           | F            | ≤ 32 F         | ≥ 67                                             |               | ≥ 73 F      | > 80 F                                 | ≥ 93 F      | ,           | Total         |
| Dry Bul |     |                   |                |       |       |       |     |          |                                        | _            |              |              |              |              |                | <del>                                     </del> |               |             | 1 .                                    | 1           | _           |               |
| Wet Bul |     |                   |                |       |       |       |     |          |                                        |              |              |              |              |              |                | <del>                                     </del> |               |             | <del>i</del>                           | 1           |             |               |
| Dew Po  |     |                   |                |       |       |       |     |          |                                        | _            |              |              |              |              |                | <del> </del>                                     |               |             | <del> </del>                           | <del></del> |             |               |
|         |     |                   |                |       |       |       |     |          | ــــــــــــــــــــــــــــــــــــــ |              |              |              |              |              |                | ــــــــــــــــــــــــــــــــــــــ           | <del>.,</del> |             | ــــــــــــــــــــــــــــــــــــــ |             |             |               |

(OL A) REVISED PREVIOUS EDITIONS OF THIS FORM AR

USAFETAC FORM 0.26-5 (OL A)

| 4112<br>STATION                                | <u> </u>     | LMST         | ROM      | AFB 5    | MT/G           | REAT                                             | FAL                                              | <u>L5</u> |       | 68-           | 77      |             |          | YE      | ARS     |          |              |                                                  |          | F            | EB<br>NTH  |
|------------------------------------------------|--------------|--------------|----------|----------|----------------|--------------------------------------------------|--------------------------------------------------|-----------|-------|---------------|---------|-------------|----------|---------|---------|----------|--------------|--------------------------------------------------|----------|--------------|------------|
|                                                |              |              |          |          |                |                                                  |                                                  |           |       |               |         |             |          |         |         |          |              | PAGI                                             | E 2      | 0300-        | -0500      |
| Temp                                           |              |              |          |          |                | WE                                               | BULB                                             | TEMPER    | ATURE | DEPRE         | SSION ( | F)          |          |         |         |          |              | TOTAL                                            |          | TOTAL        |            |
| (F)                                            | 0            | 1 - 2        | 3 - 4    | 5 - 6    | 1.8            |                                                  |                                                  | 13 - 14   |       |               |         |             | 23 - 24  | 25 - 26 | 27 - 28 | 29 - 30  | ≥ 31         | D.B./W.E.                                        | Dry Bulb | Wet Bulb     | Dew Poir   |
| 18/-19                                         |              |              |          |          |                |                                                  |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          |              | 8 4        |
| 18/-19<br>20/-21<br>22/-23<br>26/-27<br>32/-33 | .2           |              |          |          |                |                                                  |                                                  |           |       | ' —<br>j      |         |             |          | -       |         |          |              | 2                                                | 2        | s            | 4          |
| 32/-33                                         | <u> </u>     | <del> </del> | ·        |          | <del> </del> - | <del> </del>                                     | <del> </del>                                     | 1         |       | <del>  </del> |         | <del></del> |          |         |         |          | <del> </del> | <del>                                     </del> |          | <del> </del> | 2          |
| DTAL                                           | 20.1         | 27.8         | 24.4     | 17.0     | 7.3            | 2.3                                              | 3 .7                                             | .4        |       | i l           |         |             |          |         |         |          |              |                                                  | 849      | ŀ            | 835        |
|                                                |              |              |          |          |                |                                                  |                                                  |           |       |               |         |             |          |         |         |          |              | 835                                              |          | 835          |            |
|                                                |              |              |          |          |                |                                                  |                                                  |           |       |               | -       |             |          |         |         |          |              |                                                  |          |              |            |
|                                                |              |              |          |          |                |                                                  |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          |              |            |
|                                                | i            |              |          |          |                |                                                  | <del>                                     </del> |           |       |               |         |             |          |         |         |          |              | <b> </b>                                         |          |              |            |
|                                                |              |              |          |          |                |                                                  |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          |              |            |
|                                                | <del> </del> |              |          |          |                | <del>                                     </del> | <del> </del>                                     |           |       |               |         |             |          |         |         |          |              | <del> </del>                                     |          |              |            |
|                                                |              |              | -        |          |                | <del> </del>                                     | <del> </del>                                     |           |       |               |         |             |          |         |         | -        |              |                                                  |          | ļ            |            |
|                                                |              | ļ            |          |          |                |                                                  | -                                                |           |       |               |         |             |          |         |         |          |              | <del> </del>                                     |          | ļ            | -          |
|                                                | <u> </u>     |              | -        | <u> </u> |                |                                                  | -                                                |           |       |               |         |             |          |         |         |          |              | <u> </u>                                         |          |              |            |
|                                                |              |              |          |          |                | <u> </u>                                         |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          | <del> </del> | ļ <u>.</u> |
|                                                | <u> </u>     |              |          | -        |                | -                                                |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          |              |            |
|                                                | <u> </u>     | -            |          |          |                |                                                  | -                                                |           |       |               |         |             |          |         |         |          |              |                                                  |          | -            | -          |
|                                                |              |              |          |          | -              | <u> </u>                                         |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          |              | -          |
|                                                |              |              | -        |          |                |                                                  |                                                  |           |       |               |         |             |          |         |         |          |              |                                                  |          |              |            |
| lement (X)                                     |              | Σχ'          | <u> </u> |          | ZX             | <u> </u>                                         | X                                                | •         |       | No. Ob        | s.,     |             | <u>.</u> |         | Mean    | No. of H | ours wit     | th Tempera                                       | ture     |              |            |
| el. Hum.                                       | <u> </u>     |              | 33223    |          | 55             | 65                                               | 66.2                                             | 14.9      | 20    | 8             | 35      | ± 0 F       |          | 32 F    | z 67    |          | 73 F         | ≥ 80 F                                           | × 93     | F            | Total      |
| ry Bulb                                        |              | 6;           | 33623    |          | 197            | 111                                              | 23.2                                             | 14.4      | 06    | 8             | 49      |             | 0        | 58,5    |         |          |              |                                                  |          |              | 84         |
| fet Bulb                                       |              | 4.           | 76157    |          | 170            | 83                                               | 20:5                                             | 12.3      | 24    |               | 35      | 7           |          | 72,8    |         |          |              |                                                  |          |              | 84         |
| Daw Point                                      |              | 20           | 58198    | <u></u>  | _110           | 142                                              | 13.7                                             | 12.1      | 04    | 8             | 35      | 14          | 2        | 84.0    | بنبا    |          |              |                                                  |          |              | 84         |

DATA PROCESSING BRANCH USAF ETAC 2 AIR WEATHER SERVICE/MAC 1 1-2 3-4 46/ 45 () 42/ 41 40/ 39 38/ 37 () 36/ 35 33 31 2.4 29 30/ 28/ 27 2.9 26/ 25 1.7 11 23 24/ 22/ 21 3.1 1.4 20/ 19 2.0 18/ 17 1.9 16/

#### **PSYCHROMETRIC SUMMARY**

FEB MALMSTROM AFB MT/GREAT FALLS 68-77 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B. W.B. Dry Bulk Wet Bulb Dew Point 13 13 1.0 22 22 1.1 1.4 27 27 45 45 .5 3.1 50 50 • 2 49 49 26 56 56 69 57 57 63 44 34 66 52 52 36 82 71 60 44 42 50 42 63 55 40 40 52 29 69 29 43 24 24 33 76 67 26 26 37 25 27 53 1.0 1.6 20 14/ 13 55 12/ 25 26 22 17 41 10/ 9 16 24 Ž8 13 14 10 8/ 6 24 5 10 6/ 27 17 22 19 4/ 33 37 30 2.5 2/ 1 0/ 14 22 21 īī 1.0 11 10 21 10 9 <u>10</u> 11 18 10 11 -6/ -7 -8/-915 15 15 14 5 -10/-11 -12/-13 -14/-15 9 -16/-17 -18/-19 -20/-21 Meen No. of Hours with Temperature Element (X) Rel. Hum. 2 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

0.26.5 (OL A)

| 24112<br>STATION              | <u> </u>     | LMST        | ROM          |              | MT/C  |                                                  | FAL      | .LS            |              | 68-     | · <b>7</b> 7 |          |         | · ¥     | EARS          |              |         |              |              |               | EB                                               |       |
|-------------------------------|--------------|-------------|--------------|--------------|-------|--------------------------------------------------|----------|----------------|--------------|---------|--------------|----------|---------|---------|---------------|--------------|---------|--------------|--------------|---------------|--------------------------------------------------|-------|
|                               |              |             |              |              |       |                                                  |          |                |              |         |              |          |         |         |               |              |         | PAG          | E 2          | 0600<br>HOURS |                                                  |       |
| Temp                          |              |             |              |              |       |                                                  |          |                |              |         | ESSION       |          |         |         |               |              |         | TOTAL        |              | TOTAL         |                                                  |       |
| (F)                           | 0            | 1 - 2       | 3 - 4        | 5 - 6        | 7 - 8 | 9 - 10                                           | 11 - 12  | 13 - 14        | 15 - 16      | 17 - 18 | 19 - 20      | 21 - 22  | 23 - 24 | 25 - 26 | 27 - 28       | 29 - 30      | ≥ 31    | D.B./W.B.    | Dry Bulb     | Wet Bulb      | Dew F                                            | Point |
| -22/-23<br>-24/-25            | .4           |             |              |              |       |                                                  |          |                |              |         |              |          |         |         |               |              |         | 3            | 3            | 3             |                                                  | 2     |
| -26/-27<br>-28/-29<br>-30/-31 |              |             |              |              |       |                                                  |          |                |              |         |              |          |         |         |               |              |         |              |              |               |                                                  | 1     |
| -30/-31                       |              |             |              | i            | i     |                                                  | 1        | 1              | 1            | i       | 1            | 1        |         | i       | $\overline{}$ | 1            | <b></b> |              |              | 1             | †                                                | 2     |
| TOTAL                         | 20.0         | 29.3        | 23.1         | 17.4         | 7,3   | 1.2                                              | 2 1.3    | .4             |              |         | ŀ            |          | 1       | ŀ       |               | ļ            |         | 1            | 849          | ļ             | 83                                               | 32    |
|                               |              |             |              |              |       |                                                  |          |                |              |         |              |          |         |         |               |              |         | 832          |              | 832           |                                                  |       |
|                               |              |             |              |              |       |                                                  |          |                |              |         |              |          |         |         |               |              |         |              |              |               |                                                  |       |
|                               |              |             |              |              |       |                                                  |          |                |              |         |              | <b></b>  |         |         |               |              | -       |              |              |               | <del>                                     </del> |       |
| <del> </del>                  | <del> </del> | <del></del> | <del> </del> | <del> </del> |       | <del>                                     </del> | +        | <del> </del> - | <del> </del> | ┼       |              | ├        |         |         | ├             | <del> </del> |         | <del> </del> | <del> </del> | <del> </del>  | ┼                                                |       |
|                               |              |             |              |              |       |                                                  | <u> </u> |                | <u> </u>     |         | <u> </u>     | <u> </u> |         |         |               |              |         |              |              |               |                                                  |       |
|                               |              |             |              |              |       |                                                  |          |                |              |         |              |          |         |         |               |              |         |              |              |               |                                                  |       |

|  |  |  |  |  |  |  |  |  | <br> |  |
|--|--|--|--|--|--|--|--|--|------|--|

|             |         |       |         |            |          | 1     | 1 1    |          |              | 1           | 1           |       |
|-------------|---------|-------|---------|------------|----------|-------|--------|----------|--------------|-------------|-------------|-------|
| Element (X) | ZXi     | ZX    | X       | * <u>A</u> | No. Obs. | ,     |        | Meen No. | of Hours wil | h Temperati | y1 <b>0</b> |       |
| Rel. Hum.   | 3867109 | 55381 | 66.614. | 748        | 832      | = 0 F | ≤ 32 F | ≥ 67 F   | ≥ 73 F       | ≥ 80 F      | ≥ 93 F      | Total |
| Dry Bulb    | 624039  | 19451 | 22.914. |            |          | 7.4   | 58.1   |          |              |             | 1           | 84    |
| Wet Bulb    | 469767  | 16861 | 20.312. | 414        | .832     | 8.2   | 72.2   |          |              |             |             | 84    |
| Dew Point   | 267334  | 10848 | 13.012. |            |          | 14.4  | 84.0   |          |              | 1           | 1           | 84    |

## **PSYCHROMETRIC SUMMARY**

2412 MALMSTRUM AFB MT/GREAT FALLS 68-77

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp
(F) 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.82/W.B. D y Bulb Wet Bulb Dew Poin

| Temp       |     |          |             |              |          |                                                  | WET          | BULB 1                                           | TEMPER                                           | ATURE                                            | DEPR                                             | SSION (                                          | F)                                               |                                                  |                                                  |                                                  |                                        |                | TOTAL        |                | TOTAL    |                                                  |
|------------|-----|----------|-------------|--------------|----------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------|----------------|--------------|----------------|----------|--------------------------------------------------|
| (F)        |     | 0        | 1 - 2       | 3 - 4        | 5 - 6    | 7 - 8                                            | 9 - 10       | 11 - 12                                          | 13 - 14                                          | 15 - 16                                          | 17 - 18                                          | 19 - 20                                          | 21 - 22                                          | 23 - 24                                          | 25 - 26                                          | 27 - 2                                           | 8 29 - 3                               | 0 ≥ 31         | D.B./W.B.    | y Bulb         | Wet Bulb | Dew Pou                                          |
| 58/        | 57  |          |             |              |          |                                                  |              |                                                  | .1                                               |                                                  | ,1                                               | .1                                               |                                                  |                                                  |                                                  |                                                  |                                        |                | 3            | 3              |          |                                                  |
| 56/        |     |          |             | Į į          |          |                                                  |              | .1                                               |                                                  |                                                  | 1                                                |                                                  |                                                  | i                                                |                                                  |                                                  |                                        | 1              | 1            | 1              |          | 1                                                |
| 54/        | 53  |          |             |              |          |                                                  |              | .8                                               | •2                                               | •2                                               | .1                                               |                                                  |                                                  |                                                  |                                                  |                                                  | 1                                      |                | 12           | 12             |          |                                                  |
|            | 51  |          |             | i i          |          | .1                                               |              | .0                                               |                                                  | 1                                                |                                                  | i                                                | ļ                                                | Į.                                               | ļ                                                |                                                  |                                        |                | 8            | 8              |          |                                                  |
| 50/        |     |          |             |              |          |                                                  | •6           |                                                  |                                                  |                                                  | i                                                |                                                  | l                                                | i                                                | <b> </b>                                         |                                                  | 1                                      |                | 18           | 18             |          | 1                                                |
| 48/        |     |          |             |              | .4       | .2                                               | 1.9          |                                                  | .4                                               |                                                  | ļ                                                |                                                  | -                                                | l                                                |                                                  |                                                  |                                        |                | 31           | 31             | l        | }                                                |
|            | 45  |          |             | <b>!</b>     | .5       | 2,7                                              | 1.4          | ,                                                | •1                                               |                                                  |                                                  |                                                  | <u> </u>                                         |                                                  |                                                  | 1                                                | 1-                                     |                | 46           | 46             |          | 1                                                |
| 44/        |     |          |             | . 1          | .7       | 1.7                                              |              | ,4                                               | "-                                               |                                                  |                                                  |                                                  | 1                                                |                                                  | 1                                                | 1                                                |                                        | -              | 38           | 38             |          | .                                                |
| 42/        |     |          | .1          | • 2          | 1.3      | _                                                |              |                                                  |                                                  |                                                  | <del>                                     </del> |                                                  |                                                  |                                                  | 1                                                | $t^{}$                                           | 1                                      | 1              | 45           | 45             |          |                                                  |
| 40/        |     |          | ••          | 7            | 1.9      | 2.5                                              | ili          | 4                                                | ļ                                                |                                                  | 1                                                |                                                  | l                                                | !                                                | 1                                                |                                                  |                                        |                | 55           | 55             |          |                                                  |
| 38/        |     |          |             | 1.7          | 2.9      | 1,8                                              |              |                                                  | <del> </del>                                     | t                                                |                                                  |                                                  |                                                  | †                                                | <del>                                     </del> | †                                                |                                        | 1-             | 56           | 56             |          |                                                  |
| 36/        |     |          | _ 4         | 1.5          | 2.3      | 2.0                                              | . 2          | j                                                | l                                                |                                                  | l                                                |                                                  |                                                  | ļ                                                | 1                                                |                                                  |                                        | l              | 54           | 54             |          |                                                  |
| 34/        | 22  |          | •7          | 1.0          |          |                                                  |              | Ì                                                |                                                  | <b></b>                                          |                                                  | <del> </del>                                     |                                                  | <del>                                     </del> | <del>                                     </del> | †                                                | +                                      | +              | 42           | 42             |          |                                                  |
|            | 31  | 1        |             | 1.7          | . 8      | .1                                               | •            | 1                                                |                                                  |                                                  | 1                                                |                                                  |                                                  | ļ                                                |                                                  |                                                  |                                        | İ              | 35           | 35             |          | 1                                                |
| 30/        |     |          | 1 2         | 2.3          | 1.0      |                                                  |              | <del> </del>                                     |                                                  | <u> </u>                                         | ·····                                            | <del> </del>                                     |                                                  | <u> </u>                                         | <del>                                     </del> | <del>                                     </del> | +                                      |                | 39           | 39             | 70       |                                                  |
| 28/        | 27  | 2        | 1.3         | 1.5          | .5       | ••                                               |              |                                                  |                                                  | j                                                | ļ                                                |                                                  |                                                  |                                                  |                                                  | 1                                                |                                        |                | 35           | 35             | 63       | 6                                                |
|            | 25  | <u> </u> | 1 1         |              |          | <del>                                     </del> |              |                                                  | <del>                                     </del> |                                                  | <del>                                     </del> | <del> </del>                                     |                                                  | <del>                                     </del> | <del> </del>                                     | +                                                | +                                      |                | 20           | 20             |          |                                                  |
| 24/        | 23  | .7       |             | .7           |          | ĺ                                                |              | 1                                                |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  | 1                                                |                                        |                | 23           | 23             |          |                                                  |
|            | 21  |          |             |              |          | <del> </del>                                     | <del> </del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> |                                                  | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |                                                  | ╁                                                | +-                                     | +              | 25           | 25             | 21       | 7                                                |
| 22/<br>20/ | 19  | •6       | 2.3         | . 4          | • •      | l                                                | ł            |                                                  |                                                  |                                                  | 1                                                | ŀ                                                |                                                  |                                                  |                                                  |                                                  |                                        |                | 29           | 29             | 34       | 7                                                |
|            | 17  |          |             |              |          | <del>                                     </del> |              | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | +                                      | <del> </del> - | 20           | <u> 20</u>     | 28       | 1 6                                              |
| 18/<br>16/ | 15  | 1.7      |             |              | 1        | l                                                | l            |                                                  | l                                                | 1                                                | ŀ                                                |                                                  |                                                  |                                                  | 1                                                |                                                  |                                        | ĺ              | 24           | 24             |          |                                                  |
|            |     |          |             |              |          | <del>                                     </del> | <del> </del> | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del></del>                                      | <del> </del>                                     | ┼                                                | +                                      | <del></del>    | 15           | <del>1</del> 5 | 20       | 1 6                                              |
| 14/        | 13  | 7        | 1.0         | • 2          | 1        |                                                  |              |                                                  |                                                  | 1                                                |                                                  | 1                                                |                                                  | ĺ                                                |                                                  |                                                  |                                        |                | 14           | 14             |          | ž                                                |
| 15/        |     |          |             | <del>}</del> |          |                                                  |              | <del>                                     </del> | <del> </del> -                                   | <del></del>                                      | <del>                                     </del> | ├                                                | <del> </del>                                     | -                                                | <del> </del>                                     | ┼                                                | +                                      |                | 22           | 25             |          |                                                  |
| 10/        | 9   | . 8      |             |              |          |                                                  |              |                                                  |                                                  | ŀ                                                | l                                                |                                                  | 1                                                | 1                                                |                                                  | 1                                                |                                        |                | 16           | 18             |          | . 3                                              |
| 8/         | 5   | 1.1      |             |              | <u> </u> | <del>                                     </del> | <del></del>  |                                                  |                                                  |                                                  |                                                  | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | ┼─                                               | +                                      | +              | 18           | 19             | 23<br>12 | 2                                                |
| 6/         |     | 5        | 1.7         | j            | i        | į                                                | i            | ĺ                                                | i                                                | İ                                                | i                                                | i                                                | İ                                                | i                                                | i                                                | i                                                |                                        | İ              |              | 21             | 23       | 1 7                                              |
| 4/         | 3   | ليعلب    | 103         | <del></del>  |          | <del></del>                                      | <del> </del> |                                                  | <del> </del>                                     | <del>                                     </del> | <b>├</b> ──                                      | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                        |                | 20           |                |          | 1                                                |
| 2/         | 1   | .8       | 1.3         | 1            |          |                                                  |              |                                                  | 1                                                |                                                  |                                                  |                                                  | ļ                                                | l                                                |                                                  | 1                                                |                                        |                | 18           | 18             |          |                                                  |
| 0/         | -1  | 2.3      |             |              |          |                                                  | <u> </u>     | ——                                               | <del>                                     </del> | ├                                                | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | ╁                                                |                                        | -              | 22           | 23             |          | -                                                |
|            | -3  | 8        |             | 4            |          |                                                  | l            |                                                  | ŀ                                                | 1                                                |                                                  | l                                                |                                                  | i                                                |                                                  |                                                  |                                        |                | 8            | 8              |          |                                                  |
| -4/        | -5  | 1.0      | <del></del> | <del> </del> | ļ        | ļ                                                | ļ            |                                                  | ļ                                                | ļ                                                | <del> </del>                                     | <del> </del>                                     | <b> </b>                                         |                                                  | <del> </del>                                     | <del> </del>                                     | -                                      |                | 8            | <del></del> ‡  | 8        | <del>\                                    </del> |
| -6/        |     | • 4      |             | .            |          |                                                  |              |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |                                        | 1              | 3            | 3              |          | 1                                                |
| -8/        |     | كعلب     |             | <u></u>      |          | <u> </u>                                         | <del></del>  | <u> </u>                                         | ļ                                                | ┖~~~                                             | <u>ا</u>                                         | L,                                               | <u> </u>                                         | L                                                | <u> </u>                                         | ـــبــــــــــــــــــــــــــــــــــ           | بـــــــــــــــــــــــــــــــــــــ |                | 9            | <u></u>        | 9        | 2                                                |
| Element    |     |          | ΣX,         |              |          | ZX                                               | -            | <u> </u>                                         |                                                  |                                                  | No. O                                            | <b>35.</b>                                       |                                                  |                                                  |                                                  |                                                  |                                        |                | th Temperati |                |          |                                                  |
| Rel. Hu    |     |          |             |              | ļ        |                                                  |              |                                                  | ļ                                                |                                                  |                                                  |                                                  | ± 0                                              | F                                                | ≤ 32 F                                           | ≥ (                                              | 7 #                                    | ≥ 73 F         | > 80 F       | = 93           | F        | Tetal                                            |
| Dry Bul    |     |          |             |              |          |                                                  |              |                                                  | ļ                                                | -                                                |                                                  |                                                  |                                                  |                                                  |                                                  | ↓                                                |                                        |                | <b></b>      | ↓              | ——       |                                                  |
| Wet Bul    |     |          |             |              |          |                                                  |              |                                                  | L                                                |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  | <del></del>                                      |                                        |                | <u> </u>     |                |          |                                                  |
| Dew Po     | int |          |             |              |          |                                                  | - 1          |                                                  | 1                                                | - 1                                              |                                                  |                                                  |                                                  | 1                                                |                                                  | 1                                                | - 1                                    |                |              | 1              | 4        |                                                  |

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** 2 AIR WEATHER SERVICE/MAC FEB MALHSTROM AFB MT/GREAT FALLS STATION NAME YEARS HTHOM C 0900-1100 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-16 19-20 21-22 23-24 25 26 27 28 29-30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) Ű -10/-11 12/-13 14/-15 16/-17 -18/-19 -20/-21 -22/-23 -26/-27 -28/-29 5 3 C 2 2 1 2 (<u>[</u>-840 16.923.314.315.513.6 9.0 4.6 1.9 849 840 840 (1) 1 **(**[) 1 1 ব Š Element (X) 60.618.157 840 3356645 50865 Rel. Hum. 10F ≤ 32 F 43,5 27.815.939 849 5.8 Dry Bulb 872910 23626 23.612.834 19800 Wet Bulb 604900 6.8 60.0 -840 12381 Dew Point 300393

#### **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION STATION NAME

PAGE 1 1200-1400
HOURS (C. S. T.)

|             |      |              |       |             |            |          |          |              | •           |              |             |               |          |              |                                                  |         |              |              |          |                                                  | (L. S. T.) |
|-------------|------|--------------|-------|-------------|------------|----------|----------|--------------|-------------|--------------|-------------|---------------|----------|--------------|--------------------------------------------------|---------|--------------|--------------|----------|--------------------------------------------------|------------|
| Temp        |      | ,            |       |             |            |          |          | EMPER.       |             |              |             |               |          |              | <del>, ,</del>                                   |         | ,            | TOTAL        |          | TOTAL                                            | ·          |
| (F)         | 0    | 1 - 2        | 3 - 4 | 5 - 6       | 7 - 8      | 9 - 10   | 11 - 12  | 13 - 14      | 15 - 16     | 17 - 18      | 19 - 20     | 21 - 22       | 23 - 2   | 4 25 - 26    | 27 - 28                                          | 29 - 30 | ≥ 31         | D.B./W.B.    | Dry Bulb | Wet Bulk                                         | Dew Poir   |
| 68/ 67      |      |              | 1     |             |            |          | 1        | 1            |             |              |             | 1             |          | •1           |                                                  |         |              | 1            | 1        | }                                                | ľ          |
| 66/ 65      |      |              |       |             | 1          |          |          |              |             |              |             | •1            |          | 1            |                                                  |         |              | 1            | 1        |                                                  | <u> </u>   |
| 64/ 63      |      |              | _     |             |            |          | - 1      | İ            |             | .1           | .1          |               |          |              | i l                                              |         |              | 2            | 2        | İ                                                |            |
| 62/ 61      |      |              |       | l           |            |          |          |              | 2           | .4           | 1           |               |          |              |                                                  |         | <u> </u>     | 6            | 6        |                                                  | <u> </u>   |
| 60/ 59      |      | }            |       | - 1         |            |          | ł        | . 1          | .1          | .1           | • 2         | •1            |          | 1            |                                                  |         | l            | 6            | 6        |                                                  |            |
| 58/ 57      |      | 1            |       |             |            |          |          | . 2          | 7           | 2            | . 4         |               |          |              |                                                  |         | <u> </u>     | 13           | 13       | l                                                | <u> </u>   |
| 56/ 55      |      |              | l     |             |            |          | . 4      | 1.3          | .6          | .6           | .1          |               |          | 1            |                                                  |         | 1            | 25           | 25       |                                                  |            |
| 54/ 53      |      |              |       |             |            | • 6      | .6       | 1.1          | .5          |              |             |               |          | <u> </u>     |                                                  |         |              | 23           | 23       |                                                  | <u> </u>   |
| 52/ 51      |      |              |       | į           | . 4        | • 8      | 2.1      | 1.5          | , 5         |              |             | 1             |          | ľ            |                                                  |         | ł            | 45           | 45       |                                                  |            |
| 50/ 49      |      |              |       | -1          | .6         | 1.1      | 1.2      | 1.3          | - 4         |              |             |               |          | <u> </u>     |                                                  |         | <u> </u>     | 39           | 39       | <u> </u>                                         | ļ          |
| 48/ 47      |      |              |       | ě ě         | ,6         | 1,3      | 1.5      | • 4          | .1          |              |             |               |          | 1            |                                                  |         |              | 38           | 38       | 1                                                | İ          |
| 46/ 45      |      |              | - 1   |             | 1.2        | 1.2      | 2.0      | .6           |             |              |             |               |          |              |                                                  |         | <u> </u>     | 43           | 43       |                                                  |            |
| 44/ 43      |      |              |       | • 4         | 1,4        | 4 - 1    | .7       | • 1          |             |              |             |               |          | 1            |                                                  |         | 1            | 57           | 57       | 25                                               |            |
| 42/ 41      |      |              |       | 1.1         | 2.0        | 1.4      | , 5      |              |             | <u> </u>     |             |               |          | <u> </u>     |                                                  |         | ļ            | 42           | 42       | 48                                               | <b></b>    |
| 40/ 39      |      |              | • 5   | 3.1         | 2.8        | 1.7      | • 5      |              |             | l            |             |               |          |              |                                                  |         | l            | 72           | 72       | 56                                               |            |
| 38/ 37      |      |              | . 8   | 1.5         | 1.1        | . 9      |          |              |             | <u> </u>     |             |               |          |              |                                                  |         | ļ            | 37           |          |                                                  |            |
| 36/ 35      |      |              | • 6   | 1.8         | •4         | • 6      |          |              |             | ĺ            |             | 1             |          | -            |                                                  |         | ł            | 28           | 28       |                                                  |            |
| 34/ 33      |      | .8           |       | 1.7         |            |          |          |              |             | <u> </u>     |             |               |          |              |                                                  |         | ļ            | 31           | 31       | 101                                              | 11         |
| 32/ 31      |      | .2           | . 8   |             | • 1        |          |          | i            |             | 1            |             |               |          |              | 1 1                                              | •       |              | 16           | 16       |                                                  |            |
| 30/ 29      |      | . 8          | 1.7   | .7          |            |          |          |              |             | <u> </u>     |             |               |          |              |                                                  |         |              | 30           |          |                                                  | 28         |
| 28/ 27      |      | . 9          | 1.5   | • 6         | , 1        |          | •        |              |             | 1            |             |               |          |              | 1 1                                              |         | 1            | 27           | 27       |                                                  |            |
| 26/ 25      |      | .9           |       | .2          |            |          | · · ·    |              |             | <u> </u>     |             |               |          | <del> </del> | $\vdash$                                         |         | <del> </del> | 22           | 22       |                                                  | 6          |
| 24/ 23      | •    | 1 1.1        | 1.1   |             |            |          |          | 1            |             |              | 1           |               |          |              | 1                                                |         | i            | 19           | 19       |                                                  | 6          |
| 22/ 21      |      |              |       | .1          |            |          |          |              |             | <del> </del> | <b> </b>    |               |          |              |                                                  |         | <del> </del> | 22           |          |                                                  |            |
| 20/ 19      | • (  |              |       |             |            |          |          |              |             | 1            |             |               |          | 1            |                                                  |         |              | 28           |          |                                                  |            |
| 18/ 17      |      | 1 1 0 1      | • 1   |             |            |          |          |              | <del></del> | <del> </del> |             |               |          |              |                                                  |         | <del> </del> | 13           |          |                                                  |            |
| 16/ 15      | •    | 8.           |       |             |            |          |          |              |             |              |             |               |          |              |                                                  |         |              | 13           |          |                                                  |            |
| 14/ 13      |      |              |       |             |            |          |          |              |             | <b> </b>     |             |               |          | <del> </del> |                                                  |         | <del> </del> | 10           |          |                                                  |            |
| 12/ 11      | 1. • | 1.1          |       |             |            |          |          |              |             |              |             |               |          |              |                                                  |         | 1            | .21          | 21<br>26 | 23                                               |            |
| 10/ 9       | •    |              |       |             |            |          | <u> </u> |              |             | <del> </del> |             | <del>  </del> |          | +            | <del>  </del>                                    |         | ┼            | 26           |          |                                                  |            |
| 8/ 7        | 1.   | 1.7          | • 1   |             | '          | 1        | !        |              |             | l            | 1           |               |          |              |                                                  |         |              | .25          | 25<br>14 |                                                  |            |
| 6/ 5        |      |              |       |             |            |          |          | ├            |             | -            | <del></del> | <del>  </del> |          | +            | <del>                                     </del> |         | <del> </del> | 13           |          |                                                  |            |
| 4/ 3        |      | 1.5          |       |             |            |          |          |              |             | 1            |             |               |          | -            |                                                  |         |              | 19           |          |                                                  |            |
| Element (X) |      | 5 1.8<br>2x' | i     |             | z x        | <u> </u> | X        | <b>₹</b> ,   |             | No. Ol       | <del></del> | 1             |          |              | <u> </u>                                         | a af L  | laure wie    | h Tempera    |          |                                                  |            |
| Rel. Hym.   |      | ~ x ·        |       |             | <u>- x</u> | $\dashv$ | ^        |              |             |              |             | ± 0 f         |          | ≤ 32 F       | meen 14<br>≥ 67                                  |         | 2 73 F       | > 20 F       | 2 93     | e                                                | Total      |
| Dry Bulb    |      |              |       |             |            | $\dashv$ |          |              |             |              |             | - 101         | -        | - 32 7       |                                                  | -       | - /3 F       | 7.50 7       | + * 73   | <del>`                                    </del> | . 5161     |
| Wet Bulb    |      |              |       |             |            |          |          | <b> </b> -   |             |              |             |               |          |              | <del> </del>                                     |         |              | <del> </del> |          |                                                  |            |
| Dew Point   |      |              | ·     | <del></del> |            |          |          | <del> </del> | -           |              |             |               | $\dashv$ |              | <del> </del>                                     |         |              | <del> </del> | +        |                                                  |            |
|             |      |              |       |             |            |          |          |              |             |              |             |               |          |              |                                                  |         |              |              |          |                                                  |            |

## **PSYCHROMETRIC SUMMARY**

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| 112<br>STATION                                                                                                 | MA  | LMST    | RUM      | AFB 51   | MT/G        | REAT    | FALI         | <u>- S</u> |          | 68-                                              | 7.7      |                 |             | YE                                             | ARS         |              |                                        |          | FE            | B<br>ITH      |
|----------------------------------------------------------------------------------------------------------------|-----|---------|----------|----------|-------------|---------|--------------|------------|----------|--------------------------------------------------|----------|-----------------|-------------|------------------------------------------------|-------------|--------------|----------------------------------------|----------|---------------|---------------|
|                                                                                                                |     |         |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              | PAGE                                   | 2        | 1200-         | -140<br>5. T. |
| Temp.                                                                                                          |     |         |          |          |             | WET     | BULB T       | EMPER      | ATURE    | DEPRE                                            | SSION (  | F)              |             |                                                |             | ~~~          | TOTAL                                  |          | TOTAL         |               |
| (F)                                                                                                            | 0   | 1 - 2   | 3 · 4    | 5 - 6    | 7 - 8       |         |              |            |          |                                                  |          |                 | 23 - 24     | 25 - 26                                        | 27 - 28 29  | - 30 = 31    | D.B./W.B.                              | Dry Bulb |               | Dew P         |
| 0/ -1                                                                                                          | • 4 | . 4     |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             | 7            | 6                                      | 6        | 19            | 1             |
| 2/ -3                                                                                                          |     | • 2     |          |          |             |         | <u> </u>     |            |          |                                                  |          |                 |             |                                                |             |              | 2                                      | 2        | 2             | 2             |
| 4/ -5                                                                                                          | • 1 |         |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              | 1                                      | 1        | 2             | 1             |
| 6/ -7                                                                                                          |     | . 8     |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              | 7                                      | 7        | 3             | i             |
| 8/ -9                                                                                                          | • 4 |         |          |          |             |         | 1            | !          |          | İ                                                |          | 1               |             |                                                | ļ           | j            | 3                                      | 3        | 7             | ]             |
| 0/-11                                                                                                          | 2   |         |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              | 2                                      | 2        | 2             |               |
| 2/-13                                                                                                          |     |         |          |          |             |         |              | j          |          | }                                                |          | - 1             |             |                                                |             | -            |                                        |          | 1             |               |
| 6/-17                                                                                                          |     |         |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              |                                        |          |               |               |
| 8/-19                                                                                                          | ļ   |         |          |          |             |         |              |            |          |                                                  |          | ļ               |             |                                                |             | [            |                                        |          |               |               |
| 0/-21                                                                                                          |     |         |          |          |             |         |              |            |          | <u>'</u> i                                       |          |                 |             |                                                |             |              | <del> </del>                           |          |               |               |
| 2/-23                                                                                                          | Ì   |         |          |          |             |         | i i          | ]          |          | 1                                                |          | 1               |             | ) ]                                            | 1           | İ            | )                                      |          | 1             |               |
| TAL                                                                                                            | 7.3 | 23.0    | 10.7     | 12.5     | 11.0        | 13.7    | 9.4          | 6.6        | 3.1      | 1.4                                              | .9       | •2              |             | •1                                             |             |              |                                        | 849      |               | 84            |
| ^ ]                                                                                                            |     |         |          |          |             | · • ]   |              |            |          |                                                  | ,        | _               |             |                                                |             |              | 848                                    |          | 848           |               |
|                                                                                                                |     |         |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              |                                        |          |               |               |
|                                                                                                                |     |         |          |          |             |         | 11           |            |          |                                                  |          |                 |             |                                                |             |              |                                        |          | <u> </u>      |               |
| ļ                                                                                                              |     |         |          |          |             |         |              | - 1        |          | [ ]                                              |          | .               |             |                                                |             |              |                                        |          |               |               |
|                                                                                                                |     |         |          |          |             |         | [            |            |          | <u> </u>                                         |          |                 |             |                                                |             |              |                                        |          |               |               |
| Į                                                                                                              |     |         |          |          |             |         | i i          |            |          | i i                                              |          |                 |             |                                                |             |              |                                        |          | 1 1           | ı             |
|                                                                                                                |     |         |          |          |             |         |              |            |          | ļ                                                |          |                 |             | ļ <u>.                                    </u> |             |              |                                        |          |               |               |
| ļ                                                                                                              | ļ   |         |          |          |             |         | 1            |            |          |                                                  |          |                 |             | 1                                              |             |              |                                        |          | (             | i             |
|                                                                                                                |     |         |          |          |             |         |              |            |          | <del> </del>                                     |          |                 |             |                                                |             |              | <del></del>                            |          |               |               |
| İ                                                                                                              |     |         |          |          |             |         |              |            |          |                                                  |          | 1               |             |                                                |             | İ            |                                        |          | [ ]           |               |
|                                                                                                                |     |         |          |          |             |         |              |            |          | <del> </del>                                     |          |                 |             | 1                                              |             |              | +                                      |          |               |               |
| İ                                                                                                              |     |         |          | ļ        | •           |         |              | 1          |          | 1                                                |          |                 |             | , ,                                            | , ,         | {            | ļ                                      |          | !!            | i             |
|                                                                                                                |     |         |          |          | <del></del> | · .     |              |            |          | <del>                                     </del> |          |                 |             | 1                                              | <del></del> | <del></del>  | <del> </del>                           |          |               |               |
| İ                                                                                                              |     |         |          | }        |             | •       |              | Ì          |          |                                                  |          | Ì               |             | 1 1                                            |             | 1            |                                        |          | 1 1           | ļ             |
|                                                                                                                |     |         | Ι        | <u> </u> |             | l       |              |            |          | T T                                              |          |                 |             |                                                |             |              | 1                                      |          |               |               |
|                                                                                                                |     |         |          |          |             |         |              |            |          | <u></u>                                          |          |                 |             |                                                |             |              | <u> </u>                               |          |               |               |
|                                                                                                                |     |         |          |          |             |         | - 7          |            |          |                                                  |          |                 |             |                                                |             |              |                                        |          | , [           |               |
|                                                                                                                |     |         |          |          |             |         |              |            |          |                                                  |          |                 |             |                                                |             |              |                                        |          | ( )           |               |
| į                                                                                                              |     |         | ]        | }        | 1           | )       |              |            | 1        | 1                                                |          |                 |             |                                                |             |              | 1                                      |          |               | Į             |
|                                                                                                                |     | <u></u> | <u> </u> | <u> </u> | <u></u>     | <u></u> | إحجا         |            |          | L                                                | L        |                 |             | <u> </u>                                       | <del></del> |              | ــــــــــــــــــــــــــــــــــــــ |          |               |               |
| ement (X)                                                                                                      |     | Σχ2     | 4 4 49 - |          | ZX          | -       | X            | 7,         |          | No. OL                                           |          |                 | <del></del> | - 00 -                                         |             | of Hours wi  |                                        |          |               |               |
| el. Hom.                                                                                                       |     |         | 4173     |          | 282         | 7.3     | 52.9<br>32.3 | 20.0       | 43       |                                                  | 48       | ± 0 ₽           |             | 33 F                                           | ≥ 67 F      | ≥ 73 F       | > 80 F                                 | 2 93     | <del></del> - | Total         |
| y Bulb<br>et Bulb                                                                                              |     |         | 4989     |          | 228         |         | 26.9         | 19.4       | 20       |                                                  | 49       | .2              |             | 48.1                                           |             | <del> </del> |                                        |          |               |               |
| ew Point                                                                                                       |     |         | 8935     |          | 133         |         | 15.8         | 10 7       | 27       | <u>. 0</u>                                       | 48<br>48 | <u>ور</u><br>چر |             | 82.2                                           | <u> </u>    | <del> </del> | +                                      | +        |               |               |
| de de la composición de la composición de la composición de la composición de la composición de la composición |     | ZY      | 7733     | 1        |             | 7.5     |              | ext.       | <u> </u> |                                                  | 78       |                 | . Z         | YALK.                                          |             |              |                                        |          |               |               |

F. EM. 0-26-5 (OL.A) REVISED MEYOUS EDITIONS OF THIS FORM A

SAFETAC REM 0.26-5

USAFETAC

# **PSYCHROMETRIC SUMMARY**

2412 MALMSTRUM AFB MT/GREAT FALLS 68-77

FEB

MONTH

PAGE 1 1500-17

HOURS (L. S. T

Temp. WET BULB TEMPERATURE DEPRESSION (F)

TOTAL TOTAL

(F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 19 20 21 22 22 24 25 24 27 29 29 20 23 1 D.B./W.B. Day Bulb Wet Bulb Devel

| T T          |     |       |       |            |     | WET    | 0111 0 1 | TEUPS                                            | RATURE   | DERC                                             | ECCION                                           | /E)                                              |                                                  |                                                  | ·            |              |                                                  | T         |          |          | L. S. T.)            |
|--------------|-----|-------|-------|------------|-----|--------|----------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|--------------------------------------------------|-----------|----------|----------|----------------------|
| Temp.<br>(F) | 0   | 1 - 2 | 3 - 4 | 5 - 6      | 7.0 |        |          |                                                  |          |                                                  |                                                  | 21 - 2                                           | 2 22 24                                          | 25 24                                            | 27 00        | 20 20        | . 22                                             | TOTAL     | Dry Bulb | TOTAL    | Day Parce            |
| 66/ 65       |     | 1.2   | 3.4   | 3.8        | /·· | 7 - 10 | 11 - 12  | 13 - 14                                          | 13 . 16  | 1                                                |                                                  | 21 . 2.                                          | . 23 - 24                                        |                                                  | 27 - 28      | 29 - 30      | 231                                              |           | 3        | 431 5015 | Dew Foint            |
| 64/ 63       |     |       |       |            |     |        |          |                                                  |          |                                                  |                                                  |                                                  | • •                                              | 1                                                | ł            | 1            |                                                  | 3         |          |          |                      |
| 62/ 61       |     |       |       |            |     |        |          | <del> </del> -                                   | .5       |                                                  |                                                  | <del>,</del>                                     |                                                  | ├                                                | <del> </del> |              | <del> </del>                                     | 10        |          |          |                      |
| 60/ 59       |     |       |       |            | ļ   |        |          |                                                  | • •      |                                                  |                                                  | 2 • 1                                            | 1                                                |                                                  |              | İ            |                                                  | 4         | 1 1      |          |                      |
| 58/ 57       |     |       |       |            |     |        |          | <del>                                     </del> | -        | - 4                                              |                                                  |                                                  | <del> </del>                                     | ┼                                                | <del> </del> | -            | <del> </del>                                     | 15        | 15       |          |                      |
| 56/ 55       |     |       | ŀ     |            |     |        | 1        | .6                                               | • 7      |                                                  |                                                  |                                                  |                                                  | 1                                                |              | •            |                                                  | 12        |          |          |                      |
| 54/ 53       |     |       |       |            |     | • 1    | 1.2      | .8                                               | .1       | . 1                                              |                                                  | *                                                |                                                  | <del> </del>                                     | <del> </del> | <del> </del> | <del> </del>                                     | 27        | 27       |          |                      |
| 52/ 51       |     |       |       |            | . 4 | 6      | 1.4      |                                                  | 4        |                                                  | 1                                                | İ                                                |                                                  | 1                                                |              | 1            | ŀ                                                | 33        |          |          |                      |
| 50/ 49       |     |       |       | • 1        | .5  | 1.3    | 2.1      | .7                                               | .4       |                                                  | +                                                | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del> | <del> </del> | <del> </del>                                     | 43        |          |          |                      |
| 48/ 47       |     |       |       |            | . 8 | 1.3    |          | .6                                               |          |                                                  |                                                  |                                                  |                                                  | 1                                                |              |              |                                                  | 35        |          | 1        |                      |
| 46/ 45       | _   |       | • 1   | , 6        | 1.7 |        | 1.7      |                                                  |          | <del>                                     </del> | ·                                                | 1                                                | <del>                                     </del> | <del>                                     </del> | 1            | 1            | -                                                | 58        |          | 6        |                      |
| 44/ 43       |     |       | • •   | - 4        | 1.8 | 3.0    | 1.5      | i                                                |          |                                                  |                                                  |                                                  |                                                  |                                                  |              |              |                                                  | 57        | 57       | 14       |                      |
| 42/ 41       |     |       |       | 1.3        | 1,9 | 2.0    | .4       | <del></del>                                      |          |                                                  | 1                                                | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | <del> </del> | <del> </del> | <del>                                     </del> | 47        | 47       | 51       |                      |
| 40/ 39       |     |       | . 1   | 2.5        | 2.6 | 1.4    | . 6      | Į.                                               | l        | Į                                                |                                                  | 1                                                | ł                                                | İ                                                |              |              |                                                  | 61        | 61       | 54       |                      |
| 38/ 37       |     |       | 9     | 2.4        | 1.7 |        |          |                                                  | i        | <del>                                     </del> | <del>                                     </del> | 1                                                | <del> </del>                                     |                                                  | <del> </del> | <del> </del> | <del> </del>                                     | 52        | 52       | 68       | 2                    |
| 36/ 35       |     | . 1   | .7    |            | . 2 | . 2    |          | 1                                                |          |                                                  |                                                  |                                                  |                                                  | !                                                |              |              |                                                  | 31        | 31       | 75       | 7                    |
| 34/ 33       |     | .1    | 2.1   | . 9        | .6  |        |          | 1                                                |          | 1                                                | 1                                                | 1                                                | 1                                                | 1                                                |              |              |                                                  | 32        | 32       | 94       | 7                    |
| 32/ 31       |     | . 2   | . 5   | 1.5        |     |        |          |                                                  |          | ļ                                                |                                                  | 1                                                |                                                  | 1                                                | 1            | ļ            |                                                  | 19        |          | 77       | 9                    |
| 30/ 29       |     | •4    | . 9   | , 9<br>, 9 | , 1 |        |          | 1                                                |          | 1                                                | 1                                                | 1                                                |                                                  |                                                  | 1            |              | 1                                                | 20        |          | 56       | 26<br>49<br>78       |
| 28/ 27       |     | 1.4   | 1.3   | . 9        | 1   |        |          |                                                  | ļ        |                                                  | ļ                                                |                                                  |                                                  |                                                  | 1            |              |                                                  | 32        | 32       | 43       | 49                   |
| 26/ 25       |     | 2.4   | . 8   | . 5        |     |        |          | Γ                                                |          |                                                  |                                                  | 1                                                |                                                  |                                                  |              |              |                                                  | 31        | 31       | 35       | 78                   |
| 24/ 23       | 2   | 1.3   | • 4   |            |     |        |          |                                                  |          |                                                  |                                                  |                                                  |                                                  | 1                                                | 1            |              |                                                  | 16        | 16       | 40       | 74                   |
| 22/ 21       | .1  | 2.1   |       | • 2        |     |        |          | 1                                                |          |                                                  |                                                  |                                                  | 1                                                |                                                  | 1            | 1            |                                                  | 21        | 21       | 23       | 81                   |
| 20/ 19       | 5   |       |       | . 1        |     |        |          |                                                  |          |                                                  | <u> </u>                                         | 1                                                | .l                                               | 1                                                | <u></u>      | <u> </u>     |                                                  | 17        | 17       | 30       | 79                   |
| 18/ 17       | • 5 | 1.3   | • 2   | · `        | 1   | ĺ      |          |                                                  |          | •                                                |                                                  |                                                  |                                                  |                                                  |              |              | T                                                | 17        | 17       | 17       | 81<br>79<br>72       |
| 16/ 15       | .4  |       | - 1   |            |     |        |          | <u> </u>                                         |          | <u> </u>                                         |                                                  |                                                  | ]                                                | <u> </u>                                         | <u> </u>     |              |                                                  | 19        |          | 16       | 66                   |
| 14/ 13       | •9  | 1.2   | 1     |            | ĺ   |        |          |                                                  | 1        | 1                                                |                                                  |                                                  |                                                  |                                                  |              |              |                                                  | 18        | 19       | 25       | 49                   |
| 12/ 11       | . 5 |       | • 2   |            |     |        |          | <u> </u>                                         |          |                                                  |                                                  |                                                  | ļ                                                | <u> </u>                                         |              |              |                                                  | 15        | 16       | 17       | 48                   |
| 10/ 9        | . 8 |       | • 1   | Į          | İ   |        |          |                                                  | ł        | 1                                                |                                                  | 1                                                |                                                  |                                                  |              |              |                                                  | .23       |          | .17      | 48<br>36<br>33<br>19 |
| 8/ 7         | . 4 |       |       |            |     |        |          |                                                  |          | <u> </u>                                         | <u> </u>                                         |                                                  |                                                  |                                                  | <u> </u>     | <u> </u>     | <u> </u>                                         | 18        | 18       | 16       | 33                   |
| 6/ 5         |     | 1.8   |       |            |     |        |          |                                                  |          |                                                  | 1                                                |                                                  |                                                  |                                                  |              |              |                                                  | 15        |          | 16       | 19                   |
| 4/ 3<br>2/ 1 |     | 2.0   |       |            |     |        |          | <u> </u>                                         | <u> </u> | <u> </u>                                         | ļ                                                |                                                  | <u> </u>                                         | <u> </u>                                         | ļ            | <u> </u>     |                                                  | 17        | 17       | 15       | 19                   |
|              |     | . 8   |       |            |     |        |          |                                                  |          |                                                  | 1                                                | ·                                                |                                                  |                                                  |              |              |                                                  | 7         | 7        | 15       | 9                    |
| 0/ -1        | . 5 | 2     |       |            |     | أحب    |          | <u> </u>                                         | <u></u>  | <u></u>                                          |                                                  | ل                                                | <u></u>                                          | <u></u>                                          | <u></u>      | <u> </u>     |                                                  | 6         | 6        | 9        | 16                   |
| Element (X)  |     | Σχi   |       |            | z x |        | X        | <b>"</b>                                         |          | No. O                                            | bs.                                              | ļ                                                |                                                  |                                                  |              |              |                                                  | h Tempera |          |          |                      |
| Rel. Hum.    |     |       |       |            |     |        |          | ļ                                                |          |                                                  |                                                  | ± 0                                              | F                                                | ± 32 F                                           | ≥ 67         | , le .       | 23 F                                             | ≥ 80 F    | ≥ 93 F   |          | Total                |
| Dry Bulb     |     |       |       |            |     |        |          | ļ                                                |          |                                                  |                                                  |                                                  | _                                                |                                                  | ļ            |              |                                                  | ļ         | _        |          |                      |
| Wet Bulb     |     |       |       |            |     |        |          | ļ                                                | _        |                                                  |                                                  | ļ                                                |                                                  |                                                  | <del> </del> |              |                                                  | ļ         |          |          |                      |
| Dew Point    |     |       |       |            |     |        |          |                                                  |          |                                                  |                                                  | <u></u>                                          |                                                  |                                                  | <u> </u>     |              |                                                  | <u> </u>  |          |          |                      |

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS FEB 68-77 STATION NAME 1500-1700 PAGE 2 HOURS (L. 5. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -2/ -3 -4/ -5 22 2 3 -6/ -7 •4 6 -8/ -9 2 2 7 . 1 -10/-11 -12/-13 -14/-15 -16/-17 -18, -19 -20/-21 TUTAL 5.224.3 8.615.112.313.610.3 4.4 3.0 849 846 846 846 **(**: No. Obs. Mean No. of Hours with Temperature Element (X) 2655051 1182665 44477 28657 52.619.361 33.815.937 846 ≤ 32 F 33,5 Dry Bulb 849 2.0 23133 13704 846 2.5 Wet Bulb 752541 27.311.917 48.0 8.2 Dew Point 313062

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

| STATION     | MAL | M5 11 | ROM   |       | ATION N  |          | FAL    | <u> </u>       |          | <u>68-</u> | <u> </u>    |       |          | YE.           | ARS     |         |          |             |          | MON          | EB<br>NTH |
|-------------|-----|-------|-------|-------|----------|----------|--------|----------------|----------|------------|-------------|-------|----------|---------------|---------|---------|----------|-------------|----------|--------------|-----------|
|             |     |       |       |       |          |          |        |                |          |            |             |       |          |               |         |         |          | PAGE        | . 1      | 1800-        | -200      |
| Temp.       |     |       |       |       |          | WET      | BULB T | EMPER          | ATURE    | DEPRE      | SSION (     | F)    |          |               |         |         |          | TOTAL       |          | TOTAL        |           |
| (F)         | 0   | 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8    |          |        |                |          |            |             |       | 23 - 24  | 25 - 26       | 27 - 28 | 29 - 30 | ≥ 31     | D.B./W.B.   | Dry Bulb |              | Dew F     |
| 56/ 55      | i   |       |       |       |          |          |        | • 1            |          | .1         |             |       |          |               |         |         | 1        | 2           | 2        |              |           |
| 54/ 53      | - 1 |       |       |       |          |          | . 1    | • ]            |          | •          |             |       |          | ļ į           | j       |         | ļ        | 1           | 1        |              | ĺ         |
| 52/ 51      |     |       |       |       |          |          | • 2    | .4             |          | i          |             | i     |          |               | 1       |         | 1        | 5           | 5        |              | i         |
| 50/ 49      | ļ   |       |       |       |          | • 2      | .4     | . 4            | , 1      | ļ          |             |       |          |               | ļ       |         | 1        | 9           | 9        | -            | i         |
| 48/ 47      |     |       |       | •2    | • 1      | ,6       |        | •1             |          |            |             |       |          |               |         |         | 1        | 14          | 14       |              |           |
| 46/ 45      |     |       | ļ     | . 5   | 1.5      | 1.9      | . 5    | . 4            |          |            |             |       |          |               |         |         | ļ.       | 40          | 40       | 1            | İ         |
| 44/ 43      |     |       | , 1   | .5    | 2.4      | •6       |        | . 1            |          |            |             |       |          |               |         |         |          | 34          | 34       |              |           |
| 42/ 41      |     | [     | . 2   | 1.8   | 1.4      | 1.1      | ,4     |                |          |            | L. '        |       |          |               |         |         |          | 41          | 41       | 11           | Ĺ         |
| 40/ 39      |     |       | . 8   | 2.7   | 2.4      | ,7       |        |                |          |            |             |       |          |               |         |         |          | 56          | 56       | 8            | _         |
| 38/ 37      | į   | - 1   | 1.1   | 3.6   | 2.4      | .2       |        |                |          |            |             |       |          |               | -       |         |          | 62          | 62       | 41           | ĺ         |
| 36/ 35      |     | . 5   | 1.4   | 4.1   | 1.3      |          |        |                |          |            |             |       |          |               |         |         |          | 61          | 6,       | 62           |           |
| 34/ 33      |     | . 1   | 3.8   | 3.8   | .7       |          |        |                |          |            | <b>i</b> '  | l l   |          |               | 1       |         | 1        | 73          | 73       | 62           | 1         |
| 32/ 31      |     | . 8   | 2.6   | 1.7   | , 5      |          |        |                |          |            |             |       |          |               |         |         |          | 47          | 47       | 95           |           |
| 30/ 29      | . 4 | 1.5   | 2.6   |       |          |          |        |                | •        |            |             |       |          |               |         |         | I        | 49          | 49       | 105          |           |
| 28/ 27      | . 5 | 1.7   | 1.8   | .7    |          |          |        |                |          |            |             |       |          |               |         |         |          | 39          | 39       | 77           | !         |
| 26/ 25      | .6  | 1.9   | . 8   |       |          |          |        |                |          |            |             |       |          |               | - 1     |         |          | 28          | 28       | 54           | _ {       |
| 24/ 23      | • 1 | 2.3   | • 8   |       |          |          |        |                |          |            |             |       |          |               |         |         |          | 27          | 27       | 43           |           |
| 22/ 21      | . 4 | - 9   | 1.0   |       |          |          |        |                |          |            |             |       |          |               |         |         |          | 27          | 27       | 34           |           |
| 20/ 19      | .5  | 4.4   | • 2   |       |          |          |        |                |          | [          |             |       |          |               |         |         |          | 26          | 26       | 29           |           |
| 18/ 17      | 1.2 | 1.3   |       |       |          |          |        |                |          | Í          |             |       |          |               |         |         | L        | 21          | 21       | 32           |           |
| 16/ 15      | . 5 | 1.0   |       |       |          |          |        |                |          |            |             |       |          |               |         |         |          | 12          | 12       | 17           | Γ.        |
| 14/ 13      | . 8 | .5    | - 1   |       |          |          |        |                |          |            |             |       |          |               |         |         | L        | 12          | 12       | 12           |           |
| 12/ 11      | 1.1 | 1.4   |       |       |          |          |        |                |          |            |             |       |          |               |         |         |          | 21          | 21       | 15           |           |
| 10/ 9       | -7  | 1.1   |       |       |          |          |        |                |          |            | <u> </u>    |       |          |               |         |         | <u> </u> | 15          | 18       | 22           | L         |
| 8/ 7        | 1.0 | 1.3   |       |       |          |          |        |                |          | )<br>      |             |       |          |               |         |         |          | 19          | 23       | 14           |           |
| 6/ 5        | . 8 | 2.5   |       |       |          |          |        |                |          |            |             |       | -        |               |         |         |          | 28          | 29       | 19           |           |
| 4/ 3        | . 5 | 2.3   |       |       |          |          | •      |                |          |            |             |       |          |               |         |         |          | 23          | 25       | 21           |           |
| 2/ 1        | - 1 | 1.8   |       |       |          | <u> </u> |        |                |          |            |             |       |          |               |         |         |          | 16          | 16       | 25           |           |
| 0/ -1       | .6  | .6    |       |       |          |          |        |                |          |            |             |       |          |               |         |         |          | 10          | 10       | 16           |           |
| -2/-3       | - 1 | .5    |       |       |          |          |        |                |          | <u> </u>   | <u> </u>    |       |          |               |         |         | <u> </u> | 5           | 5        | 9            |           |
| -4/ -5      | - 1 |       |       |       |          |          |        |                |          |            |             |       |          |               |         |         |          |             | 1        |              |           |
| -6/ -7      |     | .2    |       |       |          |          |        |                |          | L          |             |       |          |               |         |         | L        | 2           | 2        | 1            |           |
| -8/ -9      | • 4 | - 1   |       |       |          |          |        |                |          |            |             |       |          |               |         |         |          | 3           | 3        | 4            |           |
| 10/-11      |     |       |       |       | <u> </u> | <u> </u> |        |                | <u> </u> | <u> </u>   |             |       | <u>'</u> |               |         |         |          | 6           | 6        | 6            |           |
| Element (X) |     | X,    |       |       | z x      | _ _      | X      | • <sub>X</sub> |          | No. Ob     | ) <b>5.</b> |       |          | <del></del> , |         |         | ·        | h Temperate |          | <del>,</del> |           |
| Rel. Hum.   |     |       |       | i     |          | 1        |        |                | - 1      |            |             | 2 0 1 | F   :    | ⊴ 32 F        | ≥ 67    | F :     | 2 73 F   | > 80 F      | ≥ 93 F   | ,   1        | Total     |

. A) BEYISED PREVIOUS EDITIONS OF THIS K

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FORM 0.26-5 (C. .)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC -12/-13 -14/-15 -16/-17 -18/-19 -20/-21 -22/-23 -24/-25 TOTAL

0.26.5

## **PSYCHROMETRIC SUMMARY**

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MALMSTROM AFB MT/GREAT FALLS

STATION NAME 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 Wet Bulb Dew Point 3 3 11.427.717.520.712.9 5.6 2.5 1.4 849 839 839 839 Element (X) No. Obs. Mean No. of Hours with Temperature 61.916.336 27.714.232 23.811.653 839 3435866 51914 ≥ 67 F > 73 F > 80 F ≥ 93 F Rel. Hum. ± 0 € 1 32 F Total 822397 Dry Bulb 23503 849 3.1 44.6 589690 19982 65.6 839 Wet Bulb 4.1 Dew Point 304184

## **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION     | MA        | LMST        | ROM   |       | MT/G  |          | FAL         | LS                |          | <u>68-</u>                                       | 77           | <del></del> - |        |            | EARS         |        |              |             |            | FE             |                |
|----------------------|-----------|-------------|-------|-------|-------|----------|-------------|-------------------|----------|--------------------------------------------------|--------------|---------------|--------|------------|--------------|--------|--------------|-------------|------------|----------------|----------------|
|                      |           |             |       |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        |              | PAGE        | 1          | 2100-          | 2300           |
| Temp.                |           |             |       |       |       | WET      | BULB .      | TEMPERA           | ATUR     | E DEPRE                                          | SSION        | (F)           |        |            |              |        |              | TOTAL       |            | TOTAL          |                |
| (F)                  | 0         | 1 - 2       | ≎ - 4 | 5 - 6 | 7 - 8 | 9 - 10   | 11 - 12     | 13 - 14           | 15 - 1   | 6 17 - 18                                        | 19 - 20      | 21 - 22       | 23 -   | 24 25 - 26 | 27 - 28      | 29 - 3 | 0 231        | D.B./W.B.   | Dry Bulb V | et Bulb        | Dew Point      |
| 54/ 53<br>52/ 51     |           |             |       |       |       |          | .2          |                   |          |                                                  |              |               |        |            |              |        |              | 2           | 2          |                |                |
| 50/ 49<br>48/ 47     |           |             |       | . 1   | •1    | • 1      |             |                   |          |                                                  |              |               |        |            |              |        |              | 2 4         | 2          |                |                |
| .46/ 45              |           |             |       | • 1   | , 2   | • 7      | •1          | • 1               |          | <del>                                     </del> |              | <del> </del>  |        |            |              |        | <del> </del> | 10          | 10         |                | <del></del>    |
| 44/ 43               |           |             |       | 1.1   | 1.3   | 1.0      |             | . 2               |          |                                                  |              |               |        |            |              |        |              | 30          | 30         |                |                |
| 42/ 41               |           |             |       | 1.7   | . 8   | • 7      | • 4         |                   |          |                                                  |              |               |        |            |              |        |              | 30          | 30         | 7              |                |
| 40/ 39<br>38/ 37     |           | - 4         | 2.0   |       | 1.2   | •6<br>•1 |             | <del>  </del>     |          | <del></del>                                      |              |               |        |            |              |        |              | 45          | 45<br>60   | 14             |                |
| 36/ 35               |           | . 1         | 1.6   | 3.1   | 1.5   | * 1      |             |                   |          | 1                                                |              |               |        |            |              |        | İ            | 46          | 46         | 48             | 1              |
| 34/ 33               | • 1       | . 8         |       |       | • 7   |          |             |                   |          | T T                                              |              |               | $\Box$ |            |              |        | T            | 64          | 64         | 57             | 3              |
| 32/ 31               |           | 1.2         | 5.4   | 1.3   | • 1   |          |             |                   |          |                                                  |              | ļ             |        |            |              |        | <u> </u>     | 67          | 67         | 84             | 7              |
| 30/ 29<br>28/ 27     | .1<br>1.0 | 3.3         | 3.7   | .7    | • 2   |          |             |                   |          |                                                  |              |               |        |            |              |        |              | 52<br>72    | 52<br>72   | 76<br>105      | 20<br>62       |
| 26/ 25               | . 8       |             |       | • 1   |       |          |             |                   |          | 1                                                |              |               |        |            |              |        |              | 33          | 33         | 72             | 66             |
| 24/ 23               | - 6       | 2.8         | _ 5   |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        | <u> </u>     | 32          | 32         | 59             | 66             |
| 22/ 21 20/ 19        | .5<br>1.2 |             | • 7   |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        |              | 26          | 26         | 30             | 91             |
| 20/ 19<br>18/ 17     | .6        |             | • 5   |       |       |          |             |                   |          | -                                                |              | 1-            |        |            |              |        | <del> </del> | 34<br>27    | 27         | 35             | 80<br>69       |
| 16/ 15               | 7         | .7          |       |       |       |          |             |                   |          | 1                                                |              |               |        |            |              |        |              | 12          | ĩż         | 25             | 69             |
| 14/ 13               | 1.0       | 1.4         |       |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        |              | 20          | 20         | 17             | 44             |
| 12/ 11               | 1.3       | 1 4         |       |       |       |          |             | $\longrightarrow$ |          |                                                  | <del> </del> |               |        |            | ļ            |        | <del> </del> | 14          | 14         | 20             | 30<br>41       |
| 8/ 7                 | 1.4       | 1.4         | . 4   |       |       |          |             |                   | •        |                                                  |              |               |        |            |              | Ì      |              | 13          | 29         | 24             | 19             |
| 6/ 5                 | 1.7       | 1.9         |       |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        | 1            | 30          | 31         | 34             | 13             |
| 4/ 3                 | 1         | 1.7         |       |       |       |          |             |                   |          | ļ                                                |              |               |        |            |              |        |              | 15          | 16         | 15             | 20             |
| 2/ 1                 | 1.8       | 1.6         |       |       |       |          |             |                   |          |                                                  | ŀ            |               |        |            |              |        |              | 19          | 25<br>16   | 18             | 19<br>18       |
| -2/ -3               | 1.0       | .7          |       |       |       |          |             | <del>  </del>     |          | -                                                |              | <del> </del>  |        |            | -            |        | -            | 14          | 15         | 25<br>11       | 15             |
| -4/ -5               | 1         |             |       |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        | 1            | 1           | 1          | 4              | ĺO             |
| -6/ -7               | . 4       |             |       |       |       |          |             |                   |          |                                                  |              |               |        |            |              |        |              | 3           | 3          | 3              | 21             |
| -8/ -9<br>-10/-11    | .6        |             |       |       |       |          |             |                   |          |                                                  | <del> </del> | <del> </del>  | -      |            |              |        | <del> </del> | 5           | 5          | 5              | 16             |
| -12/-13              | . 2       |             |       |       |       |          |             | <u> </u>          |          |                                                  |              |               |        |            |              |        |              | 2           | 2          | 2              | <sup>2</sup> 6 |
| Element (X)          |           | ΣX,         |       |       | t X   |          | X           | . °g              | $\perp$  | No. OL                                           | 8.           |               |        |            |              |        |              | h Temperatu |            |                |                |
| Rel. Hum.            |           | <del></del> |       |       |       |          | <del></del> | ļ                 | _ _      |                                                  |              | _ ≤ 0 1       | -      | ⊴ 32 F     | ≥ 67         | F      | ≥ 73 F       | ≥ 80 F      | ≥ 93 F     | <del>  1</del> | otal           |
| Dry Bulb<br>Wet Bulb |           |             |       |       |       |          |             | ļ                 | $\dashv$ |                                                  |              | <u> </u>      |        |            | <del> </del> |        |              | <b> </b>    | ļ          |                |                |

0.26-5 (OL A) RENSED MENOUS EDITIONS OF THIS FO

USAFETAC FORM 0.20

Dew Point

USAFETAC FORM 0.26-5 (OL A)

# **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77

STATION STATION NAME

PAGE 2 2100-2300

NOURS (L. S. T.)

| -16/-17<br>-18/-19<br>-20/-21<br>-22/-23<br>-24/-25<br>-26/-27<br>-28/-29<br>-32/-33     | .1 .4        |                                                  |         |              | 7 - 10 | 11 - 12 | 13 - 14  | 15 - 16                                          | DEPRE 17 - 18                                |                                                  | 21 - 22 23 | - 24 2      | 25 - 26 | 27 · 28 | 29 - 30         | * 31     | TOTAL D.B./W.B. 2                                | Dry Bulb<br>2<br>1<br>3 | TOTAL Wei Buib Z 1 3 | 5<br>2<br>3<br>3<br>1<br>2      |
|------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|---------|--------------|--------|---------|----------|--------------------------------------------------|----------------------------------------------|--------------------------------------------------|------------|-------------|---------|---------|-----------------|----------|--------------------------------------------------|-------------------------|----------------------|---------------------------------|
| 14/-15<br>16/-17<br>18/-19<br>20/-21<br>22/-23<br>24/-25<br>26/-27<br>-28/-29<br>-32/-33 | • 2          |                                                  |         |              |        |         |          |                                                  | 17 - 18                                      | 19 - 20                                          | 21 - 22 23 | - 24 2      | 15 - 26 | 27 · 28 | 29 - 30         | * 31     | 2                                                | 2                       | 1                    | 5<br>2<br>3<br>3<br>1<br>2      |
| 16/-17<br>18/-19<br>20/-21<br>22/-23<br>24/-25<br>26/-27<br>28/-29<br>32/-33             | .1           | 723.0                                            | 18.7    | 6,9          | 3.3    | . 8     | • 4      |                                                  |                                              |                                                  |            |             |         |         |                 |          | 1                                                | 1                       | 1                    | 2<br>3<br>3<br>1<br>2<br>1<br>2 |
| 16/-17<br>18/-19<br>-20/-21<br>22/-23<br>24/-25<br>-26/-27<br>-28/-29<br>-32/-33         | .1           | 723.0                                            | 18.7    | 6,9          | 3.3    | •8      | .4       |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  | 3                       | 1 3                  | 1 2                             |
| 20/-21<br>22/-23<br>24/-25<br>26/-27<br>-28/-29<br>-32/-33                               |              | 723.0                                            | 18.7    | 6,9          | 3.3    | •8      | .4       |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  | 3                       | 1 3                  | 1 2                             |
| -20/-21 .<br>-22/-23 .<br>-24/-25 .<br>-26/-27 .<br>-28/-29 .<br>-32/-33                 |              | 723.0                                            | 18.7    | 6,9          | 3.3    | .8      | • 4      |                                                  |                                              |                                                  |            |             |         |         |                 |          | 3                                                | 3                       | 3                    | 1 2                             |
| 22/-23<br>24/-25<br>-26/-27<br>-28/-29<br>-32/-33                                        |              | 723.0                                            | 18.7    | 6,9          | 3.3    | .8      | • 4      |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      | 1 2                             |
| 24/-25<br>-26/-27<br>-28/-29<br>-32/-33                                                  | .229.        | 723.0                                            | 18.7    | 6,9          | 3.3    | •8      | .4       |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      | 1 2                             |
| 26/-27<br>-28/-29<br>-32/-33                                                             | .229.        | 723.0                                            | 18.7    | 6,9          | 3.3    | .8      | • 4      |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      | 1 2                             |
| -28/-29<br>-32/-33                                                                       | .229.        | 723.0                                            | 18.7    | 6,9          | 3.3    | .8      | .4       |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      | 2                               |
| -32/-33                                                                                  | .229.        | 723.0                                            | 18.7    | 6,9          | 3.3    | .8      | .4       |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
| TOTAL 17.                                                                                | .229.        | 723.0                                            | 18.7    | 6,9          | 3.3    | .8      | .4       | ļ                                                |                                              | - 1                                              | - 1        |             |         |         |                 |          |                                                  |                         |                      | 1                               |
|                                                                                          |              |                                                  |         |              |        |         |          | 1                                                |                                              |                                                  |            | - 1         |         | j       |                 |          |                                                  | 849                     | Ì                    | 836                             |
|                                                                                          |              |                                                  |         |              |        |         |          | 1                                                | 1 1                                          |                                                  |            |             |         |         |                 |          | 836                                              |                         | 836                  |                                 |
|                                                                                          |              |                                                  |         |              |        |         |          | 1                                                | j l                                          | _ {                                              | _          |             | _ }     | 1       | i               |          |                                                  |                         |                      |                                 |
|                                                                                          |              |                                                  |         |              | ı      |         |          |                                                  |                                              |                                                  | i          |             |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              |                                                  |         |              |        |         |          |                                                  | <u>                                     </u> |                                                  |            |             |         |         |                 |          | [ _ ]                                            |                         |                      |                                 |
|                                                                                          |              |                                                  | }       | i i          | 1      |         |          |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              | 7                                                |         | _ }          |        |         |          | 1                                                |                                              |                                                  |            | _           | _ {     |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              |                                                  |         |              |        |         |          |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              |                                                  | l       |              | İ      |         |          |                                                  |                                              |                                                  | i          |             |         | j       |                 |          |                                                  |                         | <u> </u>             |                                 |
|                                                                                          |              | 1                                                |         |              |        |         |          | <del> </del>                                     |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              | } }                                              |         | ]            | 1      |         | }        | l f                                              |                                              | ļ                                                |            | 1           | - 1     | }       |                 | }        | ] ]                                              |                         | 1                    |                                 |
|                                                                                          |              |                                                  |         |              |        |         |          | 1                                                |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              |                                                  |         | ĺ            | l      |         |          | 1                                                |                                              | - 1                                              |            |             | - 1     |         |                 |          |                                                  |                         | İ                    |                                 |
|                                                                                          |              |                                                  |         |              |        |         | ·        |                                                  |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
| <b>!</b>                                                                                 |              |                                                  |         | - 1          | l      |         |          | ,                                                | 1 1                                          | İ                                                | - 1        | - 1         | - 1     | ,       |                 |          | 1                                                |                         |                      |                                 |
|                                                                                          |              |                                                  |         |              |        |         | 1        |                                                  | <b>N</b>                                     | `                                                |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
| 1                                                                                        |              |                                                  | l       | - 1          | ı      |         |          |                                                  | 1 1                                          | ٠.                                               | - 1        |             | - [     |         |                 |          | Į I                                              |                         |                      |                                 |
| <del></del>                                                                              | <del> </del> | 1                                                |         |              |        |         | <u> </u> |                                                  |                                              |                                                  |            |             |         |         |                 |          | 1                                                |                         |                      |                                 |
|                                                                                          |              | 1                                                | 1       | -            | Ì      |         |          |                                                  | 1 1                                          | - 1                                              | - 1        | 1           | 1       | 1       |                 | 1        | 1                                                |                         |                      |                                 |
|                                                                                          |              | 1                                                |         |              |        |         |          | <del>                                     </del> |                                              |                                                  |            | _           |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          | 1            |                                                  |         | İ            |        |         |          |                                                  |                                              | 1                                                | - 1        |             | j       |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          |              |                                                  |         | — <u> </u> - |        |         |          | 1.                                               |                                              |                                                  |            |             |         |         |                 |          |                                                  |                         |                      |                                 |
|                                                                                          | ŀ            | 1 !                                              |         | {            | 1      |         | 1        | 1                                                | 1                                            |                                                  | 1          | - 1         | }       | ļ       |                 | 1        | 1                                                | . !                     | 1                    |                                 |
|                                                                                          |              | <del>                                     </del> |         |              |        |         |          | <del>                                     </del> | 1                                            |                                                  |            |             |         |         |                 |          | <del>                                     </del> |                         |                      |                                 |
|                                                                                          | Ì            | .                                                |         |              |        |         |          | 1                                                |                                              | }                                                |            |             |         |         |                 | 1        |                                                  |                         |                      |                                 |
| Element (X)                                                                              | ZX2          |                                                  | <u></u> | ×            | Т-,    | X       | · **     |                                                  | No. Ob                                       | <del>.                                    </del> |            |             |         | Mean N  | lo. of H        | ours wit | h Temperat                                       | ure                     |                      |                                 |
| Rel. Hum.                                                                                |              | 73014                                            |         | 5547         | 14     |         | 15.Î     |                                                  |                                              | 36                                               | ± 0 F      | 1 1         | 32 F    | ≥ 67    |                 | 73 F     | ≥ 80 F                                           | × 93 I                  | - 7 - 7              | Total                           |
| Dry Bulb                                                                                 |              | 91125                                            |         | 2111         | 7      | 24.0    | 13.9     | 86                                               |                                              | 49                                               | 5.         |             | 4.9     |         | <del>`- -</del> | •••      | <del>                                     </del> | +                       | <del></del>          | 84                              |
| Wet Bulb                                                                                 | <u>~</u>     | 21926                                            |         | 1840         | á      | 22.0    | 11.8     | 17-                                              |                                              | 36.                                              | ,6,0       |             | 1,1     |         | -               |          | <del> </del>                                     | +                       |                      | 84                              |
| Dew Point                                                                                |              | 96164                                            |         | 1236         | 7      | 14.9    | 11,6     | 40                                               |                                              | 36                                               | 11.        | <del></del> | 3,6     |         |                 |          | <del> </del>                                     | +                       | -                    | 84                              |

| 51ATION          | MAL      | MSTI  | RUM           | AFB I | MT/G           | REAT   | FAL   | <u>LS</u> |         | <u>68≃</u>   | 77      |       |         |                                                  | ARS       |          |          |                    |            | FE         |          |
|------------------|----------|-------|---------------|-------|----------------|--------|-------|-----------|---------|--------------|---------|-------|---------|--------------------------------------------------|-----------|----------|----------|--------------------|------------|------------|----------|
| 317.109          |          | •     |               | 21    | ATTON N        | AME    |       |           |         |              |         |       |         | 16                                               | ARS       |          |          |                    |            |            |          |
|                  |          |       |               |       |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | PAGE               | . 1        | HOURS (L   |          |
|                  |          |       |               |       |                | WET    | n n . |           |         | 25025        | SSION ( | e\    |         |                                                  |           |          |          | 1                  |            |            |          |
| Temp<br>(F)      | 0 ]      | 1 - 2 | 3 - 4         | 5.6   | 7 . 8          |        |       |           |         |              |         |       | 23 - 24 | 25 . 26                                          | 27 - 28 2 | 9 - 30   | > 31     | TOTAL<br>D.B./W.B. | Dev Bulb   | TOTAL      | Dew Poin |
| 68/ 67           | <u> </u> |       | <del></del> - |       |                | 7 - 10 | 11-12 | 13 - 14   | 13 - 10 | 17, 5.10     | 1, 10   |       |         | •0                                               | 1, 10,    | ., - 30  | - 31     | 1                  | 1          | 100 5515   |          |
| 66/ 65           | 1        | 1     | ļ             |       |                |        |       |           |         | .0           |         | •0    | •0      |                                                  |           |          |          | 4                  | 4          |            |          |
| 64/ 63           |          |       |               |       |                |        |       |           |         | .0           |         | **    |         |                                                  |           |          |          | 3                  | 3          |            |          |
| 62/ 511          | - 1      |       | 1             |       |                |        |       |           | .1      | li           | .0      | • 0   |         |                                                  |           |          |          | 16                 | 16         | -          |          |
| 60/ 59           | †        |       |               |       |                |        |       | •0        | •0      | .1           | .0      |       |         |                                                  |           |          |          | 10                 | 10         |            |          |
| 58/ 57           |          |       | ŀ             | - 1   |                |        |       | .1        | .2      |              | 1       |       |         |                                                  |           |          |          | 31                 | 31         |            |          |
| 56/ 55           |          |       |               |       |                |        | •1    | • 3       |         | .1           |         |       |         |                                                  |           |          |          | 40                 | 40         |            |          |
| 54/ 53           |          |       |               |       |                | • 1    | .4    | .3        | • 2     | ,0           |         |       |         |                                                  |           |          |          | 65                 | 65         |            |          |
| 52/ 51           |          |       |               |       | • 1            | • 2    | •6    | .4        | • 1     |              |         |       |         |                                                  |           |          |          | 94                 | 94         |            |          |
| 50/ 49           |          |       |               | •0    | •1             | , 4    | .6    | .4        | • 1     |              |         |       |         |                                                  |           |          |          | 114                | 114        |            |          |
| 48/ 47           |          | İ     | -             | • 2   | • 3            | • 7    | •5    | •2        | •0      | }            |         |       |         |                                                  |           |          |          | 129                | 129        | 1          |          |
| 46/ 45           |          |       | •0            | .3    | 1,2            | 1.1    | .7    |           |         |              |         |       |         |                                                  |           |          |          | 236                | 236        | 11         |          |
| 44/ 43           | - 1      | Ì     | • 0           | • 7   | 1.5            | 1,4    | ,5    |           |         |              |         |       |         |                                                  | 1         |          |          | 280                | 280        | 45         |          |
| 42/41            |          | •0    | • 1           | 1.3   | 1.4            | 1.2    | .3    |           |         | ļ            |         |       |         |                                                  |           |          |          | 290                | 290        | 132        |          |
| 40/ 39           | - 1      | • 0   | • 6           | 2.6   | 1.9            | • 8    | .3    |           |         |              |         |       |         |                                                  |           |          |          | 416                | 416        | 158        |          |
| 38/ 37           |          | •0    | 1.5           | 2.9   |                | •4     | •0    |           |         |              |         |       |         |                                                  |           |          |          | 422                | 422        | 284        | 4        |
| 36/ 35           | إ        | - 2   | 1.8           | 2.7   | +8             | •2     |       |           |         |              |         |       |         |                                                  |           |          |          | 378                | 378        | 411        | 16       |
| 34/ 33           | •0       | - 4   | 2.0           | 2.6   |                |        |       |           |         | <u> </u>     |         |       |         |                                                  |           |          |          | .388               | 388        | 579        | 39<br>61 |
| 32/ 31           | •0       | . 7   | 2.6           | 1.4   | .2             |        |       |           |         |              |         |       |         | İ                                                |           |          |          | .338               | 338<br>356 | 626        | 200      |
| 30/ 29<br>28/ 27 | • 3      | 2.1   | 2.5           | 1.1   |                |        |       |           |         |              |         |       |         | <del>                                     </del> |           |          |          | 356<br>375         | 375        | 539<br>585 | 414      |
| 26/ 25           | .5       | 2.1   | 1.2           | .7    | •0             |        |       |           |         |              |         |       |         |                                                  |           |          |          | 273                | 273        | 458        | 560      |
| 24/ 23           | - 4      | 2.2   | • 9           |       |                |        |       |           |         | <del> </del> |         |       |         |                                                  | -         |          |          | 244                | 244        | 390        | 489      |
| 22/ 21           | 4        | 2.2   | .6            | .1    |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 224                | 224        | 300        | 576      |
| 20/ 19           | .7       | .2.1  | .4            |       |                |        |       | ·         |         |              |         |       |         | <del>                                     </del> |           |          |          | 214                | 214        | 275        | 617      |
| 18/ 17           | . 8      | 1.7   | . 3           | , ,,  |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 188                | 191        | 222        | 610      |
| 16/ 15           | 1.0      | 1.2   | • 2           |       |                |        |       | <b></b>   |         |              |         |       |         |                                                  |           |          |          | 165                | 167        | 202        | 540      |
| 14/ 13           | 9        | 1.0   | . 1           | , 1   |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 136                | 143        | 153        | 403      |
| 12/ 11           | 1.0      | 1.2   | • 1           |       |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 150                | 152        | 159        | 317      |
| 10/ 9            | . 7      | 1.4   | • 0           | ,     |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 140                | 150        | 121        | 324      |
| 8/ 7             | .9       | 1.3   | • 1           |       |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 152                | 165        | 153        | 219      |
| 6/ 5             | . 7      | 1.4   | , ]           | .     |                |        |       |           |         |              |         |       |         |                                                  |           |          |          | 143                | 147        | 143        | 152      |
| 4/ 3             | .6       | 1.6   |               |       |                |        |       |           |         |              |         |       |         |                                                  |           |          | Γ        | 150                | 161        | 142        | 135      |
| 2/ 1             | 9        | 1.5   |               |       |                |        |       |           |         |              |         |       |         | L                                                |           |          |          | 162                | 175        | 166        | 125      |
| Element (X)      | 2        | C X 2 |               |       | z <sub>X</sub> |        | X     | <b>₹</b>  |         | No. Ol       | 5.      |       |         |                                                  | Mean No   | o. of H  | ours wit | h Temperat         | ure        |            |          |
| Rel. Hum.        |          |       |               |       |                |        |       |           |         |              |         | ± 0 ! |         | ± 32 F                                           | ≥ 67      | •        | 73 F     | ≥ 80 F             | = 93 1     | F 7        | Total    |
| Dry Bulb         |          |       |               |       |                |        |       |           |         |              |         |       |         |                                                  |           |          |          |                    |            |            |          |
| Wet Bulb         |          |       | ]             |       |                |        |       |           |         |              |         |       |         |                                                  |           | <u> </u> |          |                    | 1          |            |          |
| Dew Point        |          |       |               | i     |                | - 1    |       | ŀ         |         |              |         |       | - 1     |                                                  | l         | - 1      |          | 1                  | 1          | - 1        |          |

#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS 68-77 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 0/ -1 100 108 158 124 64 146 67 -2/ -3 61 46 111 -4/ -5 • 2 45 42 51 108 -6/ -7 50 <u>53</u> 119 69 -8/ -9 61 61 -10/-11 28 28 28 42 -12/-13 20 20 -14/-15 -16/-17 38 5 33 3 3 3 -18/-19 5 5¢ 5 31 -20/-21 14 -22/-23 -24/-25 6 -26/-27 -28/-29 -30/-21 2 -30/-31 -32/-33 3 6792 6714 .8 14.726.718.116.8 9.9 6.5 3.8 2.0 .0 .0 6714 6714 Element (X) Meen No. of Hours with Temperature 61.717.790 27.215.516 414252 6714 Rel. Hum. 27583774 4 0 F 1 32 F ≥ 67 F ≥ 73 F ≥ 93 F Total 39.6 383.4 45.9 509.8 91.4 666.1 6792 6654279 672 Dry Bulb 155714 98267 4650208 2334785 Wet Bulb 23.212.440 6714 Dew Point

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0.26-5 (OL A) Etysto PEYOUS TOTIONS OF THIS FORM ARE OBSO

AFETAC FORM 0.26-5 (OL

# PSYCHK METRIC SUMMARY

| 112<br>STATION | MA  | LMST            | ROM   | AFB I    | MT/GI | REAT        | FALI        | .\$        |          | 68-                                              | 77                                             |                                                  |          | ÝE                                               | ARS                                              |          | _                                                |                                                  |               | MO       | AR<br>1TH                                        |
|----------------|-----|-----------------|-------|----------|-------|-------------|-------------|------------|----------|--------------------------------------------------|------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|---------------|----------|--------------------------------------------------|
|                |     |                 |       |          |       |             |             |            |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          |                                                  | PAGE                                             | 1             | 0000-    |                                                  |
| Temp           |     |                 |       |          |       | WET         | BULB T      | EMPER      | TURE     | DEPRE                                            | SSION (                                        | F)                                               |          |                                                  |                                                  |          |                                                  | TOTAL                                            |               | TOTAL    |                                                  |
| (F)            | 0   | 1 - 2           | 3 - 4 | 5 - 6    | 7 - 8 | 9 - 10      | 11 - 12     | 13 - 14    | 15 - 16  | 17 - 18                                          | 19 - 20                                        | 21 - 22                                          | 23 - 24  | 25 - 26                                          | 27 - 28                                          | 29 - 30  | <b>≥ 31</b>                                      | D.B./W.B.                                        | Dry Bulb      | Wet Bulb | Dew P                                            |
| 8/ 57          |     |                 |       |          | i     |             |             | . 1        |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          |                                                  | 1                                                | 1             |          |                                                  |
| 4/ 53          |     | - 1             | ļ     | - 1      | ļ     | į           | . 1         | . 1        |          |                                                  |                                                | 1                                                |          |                                                  |                                                  |          | ļ                                                | 2                                                | 2             |          |                                                  |
| 2/ 51          |     |                 |       |          |       | • 1         | . 2         |            |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          | 1                                                | 3                                                | 3             |          |                                                  |
| 0/ 49          | ĺ   | -               |       | .4       | 1     | . 4         |             | İ          |          | i i                                              |                                                | i                                                |          | İ                                                | i i                                              |          | İ                                                | 8                                                | 8             |          |                                                  |
| 8/ 47          |     |                 |       | .4       | •6    | 1.5         | •           |            |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          |                                                  | 24                                               | 24            |          |                                                  |
| 6/ 45          |     | -               | -     | 4        | 1.3   | .9          | . 2         |            |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          |                                                  | 26                                               | 26            | '        |                                                  |
| 4/ 43          |     |                 | i     | .6       | 1,4   | •6          | • 2         |            |          | 1                                                |                                                |                                                  |          | <del>                                     </del> |                                                  |          |                                                  | 27                                               | 27            | 6        |                                                  |
| 2/ 41          |     | i               | . 2   | 1.3      | 1,5   | . 2         | .1          | - !        |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          | 1                                                | 31                                               | 31            | 11       |                                                  |
| 0/ 39          |     | • 1             | 1.3   | 4.1      | 2,3   | • 6         |             |            |          | 1                                                |                                                |                                                  |          |                                                  |                                                  |          | <b> </b>                                         | 78                                               | 78            | 19       |                                                  |
| 8/ 37          |     |                 | 1.3   | 2.2      | 1.0   | . 7         |             | - 1        |          |                                                  |                                                |                                                  |          |                                                  | 1                                                |          |                                                  | 41                                               | 41            | 33       |                                                  |
| 6/ 35          | • 1 | . 3             | 1.5   |          | .4    |             |             |            |          |                                                  |                                                |                                                  |          |                                                  | r — †                                            | •        |                                                  | 48                                               | 48            | 53       |                                                  |
| 4/ 33          | •   | . 5             | 3.3   | 3.0      | .6    | 1           | ı           | 1          |          | 1 1                                              |                                                | 1                                                |          | İ                                                |                                                  |          | ļ                                                | 70                                               | 70            | 78       |                                                  |
| 2/ 31          | .3  | 1.9             | 1.8   |          |       |             |             |            |          |                                                  |                                                |                                                  |          |                                                  | <del> </del>                                     |          | <del> </del>                                     | 58                                               | 58            | 72       |                                                  |
| 0/ 29          | • 7 | 1.9             | 3.3   | 1.3      | . 1   | ĺ           | 1           | - 1        |          |                                                  |                                                |                                                  |          | 1                                                |                                                  |          |                                                  | 62                                               | 62            | 89       | ,                                                |
| B/ 27          | .5  |                 |       | .9       |       |             |             |            |          | 1                                                |                                                |                                                  |          | <del> </del>                                     |                                                  |          | <del>                                     </del> | 72                                               | 72            | 83       |                                                  |
| 6/ 25          | 1.0 |                 | 2.4   | . 1      | i     | -           | !           | -          | •        | 1 1                                              |                                                |                                                  |          | 1                                                |                                                  |          |                                                  | 63                                               | 63            | 79       | ۱ ،                                              |
| 4/ 23          | 1.5 |                 | 1.0   |          |       |             |             |            |          |                                                  |                                                | - 1                                              |          | <del>  "</del>                                   |                                                  |          | <del> </del>                                     | 51                                               | 51            | 104      | -                                                |
| 2/ 21          | 1.0 |                 | . 6   |          |       | ı           | - [         |            |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          | 1                                                | 53                                               | 53            | 53       | 1                                                |
| 0/ 19          | 1.3 | 3.1             | • 1   |          |       |             |             |            |          | <del>                                     </del> |                                                | <b></b>                                          |          | <del> </del>                                     | <del>  </del>                                    |          | <del>                                     </del> | 42                                               | 42            | 62       |                                                  |
| 8/ 17          | .4  | 2.2             | •     |          |       | - 1         |             | - 1        |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          |                                                  | 24                                               | 24            | 32       |                                                  |
| 6/ 15          | • 3 | 1.2             |       |          |       |             |             |            |          | †                                                |                                                |                                                  |          | <del> </del>                                     |                                                  |          | <del>                                     </del> | 14                                               | 14            | 17       |                                                  |
| 4/ 13          | .6  | 1.1             |       |          |       |             | - 1         |            |          |                                                  |                                                |                                                  |          | 1                                                |                                                  |          | ł                                                | 16                                               | 16            | 19       |                                                  |
| 2/ 11          | .6  |                 |       |          |       |             |             |            |          | 1                                                |                                                |                                                  |          | <del> </del>                                     | <del>                                     </del> |          |                                                  | 27                                               | <del>27</del> | 18       |                                                  |
| 0/ 9           | . 4 |                 | ſ     |          |       |             | İ           | l          |          |                                                  |                                                | li                                               |          |                                                  |                                                  |          |                                                  | 16                                               | 16            | 21       |                                                  |
| 8/ 7           | 1.0 |                 |       |          |       |             |             |            |          | 1                                                |                                                |                                                  |          | <del> </del>                                     | <del>                                     </del> |          |                                                  | 14                                               | 14            | 19       | _                                                |
| 6/ 5           |     | 1               |       |          |       |             |             | - 1        |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          |                                                  | 6                                                | - 6           | ģ        |                                                  |
| 4/ 3           | . 8 | .4              |       |          |       |             |             |            |          | <del> </del>                                     |                                                |                                                  |          | <del>                                     </del> | <del>                                     </del> |          | <del>                                     </del> | 11                                               | 11            | 8        |                                                  |
| 2/ 1           | •   | . 8             |       |          |       |             | ļ           |            |          |                                                  |                                                |                                                  |          |                                                  |                                                  |          | 1                                                | 12                                               | 12            | 13       |                                                  |
| 0/ -1          | 1.3 | .1              |       |          |       |             |             | +          |          | 1                                                |                                                |                                                  |          | <del>                                     </del> | <del>                                     </del> |          | <del>                                     </del> | 13                                               | 13            | 14       | <u> </u>                                         |
| 2/ -3          | 2   |                 |       |          |       |             |             |            |          |                                                  |                                                |                                                  |          |                                                  | j l                                              |          | 1                                                | 2                                                | .2            | 3        |                                                  |
| 4/ -5          | • 1 |                 |       |          |       |             | <del></del> |            |          | 1                                                |                                                | <del>                                     </del> |          | _                                                | <del> </del>                                     |          | <del>                                     </del> | 1                                                | 1             | 1        | <del>                                     </del> |
| 5/ -7          | - 1 | . 2             |       |          |       | l           |             |            |          |                                                  |                                                | ļ ļ                                              |          |                                                  |                                                  |          | 1                                                | 3                                                | š             | 2        | [                                                |
| 8/ -9          | • 2 |                 |       |          |       |             |             |            |          | 1                                                |                                                |                                                  |          | <del> </del>                                     |                                                  |          | <del> </del>                                     | 2                                                |               |          | <del>                                     </del> |
| 0/-11          | • £ |                 |       |          |       |             | ļ           | l          |          |                                                  |                                                |                                                  |          |                                                  | 1                                                |          |                                                  | 1 1                                              | ī             | 1        |                                                  |
| ement (X)      |     | Z <sub>X²</sub> |       | <u> </u> | Σχ    | <del></del> | X           | <u>-</u> - |          | No. Ob                                           | <u>.                                      </u> | <del></del>                                      |          |                                                  | Mean N                                           | lo. of H | ours wit                                         | h Temperati                                      |               | <u></u>  |                                                  |
| I. Hum.        |     |                 |       |          |       | $\dashv$    |             |            |          |                                                  |                                                | ± 0 F                                            |          | ± 32 F                                           | ≥ 67                                             |          | 73 F                                             | ≥ 80 F                                           | a 93          | F        | Total                                            |
| y Bulb         |     |                 |       |          |       | _           |             |            | _        |                                                  |                                                |                                                  | $\dashv$ | <del></del>                                      | <del> **</del>                                   |          |                                                  |                                                  | 1             |          |                                                  |
| Bulb           |     |                 |       |          |       |             |             |            | $\dashv$ |                                                  |                                                |                                                  |          |                                                  |                                                  | -        |                                                  | <del>                                     </del> | +             |          |                                                  |
| w Point        |     |                 |       |          |       | <del></del> |             |            |          |                                                  |                                                |                                                  | ——       |                                                  | <b>!</b>                                         | _        |                                                  | <del> </del>                                     | <del></del>   |          |                                                  |

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AF-TAC FORM 0.26.

#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS 68-77 MONTH PAGE 2 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOYAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 -12/-13-14/-15 -16/-17 T 1 -18/-19 -20/-21 -22/-23 -24/-25 -28/-29 1 . 11 1 -28/-29 -32/-33 13.93C.821.019.7 9.2 4.4 930 930 930 930 Element (X) No. Obs. Mean No. of Hours with Temperaturs 62371 930 67.116.086 ≥ 67 F ≥ 73 F Rel. Hum. 4423341 ≥ 95 F 10F ≤ 32 F 25898 27.812.471 865684 57.1 Dry Bulb 930 3.0 24.410.376 73.0 22685 930

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#### **PSYCHROMETRIC SUMMARY**

| STATION        | MAI      | LMSTI | ROM /      | AFB N       | MT/GE          | ME         | FAL      | LS           |        | <u>68−</u>                                       | <u> </u>  |           |             | YE      | AR5          |                                               |            |             |          | MON                |                |
|----------------|----------|-------|------------|-------------|----------------|------------|----------|--------------|--------|--------------------------------------------------|-----------|-----------|-------------|---------|--------------|-----------------------------------------------|------------|-------------|----------|--------------------|----------------|
|                |          |       |            |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | PAGE        | . 1      | 0306-              | -050<br>s. t.l |
| Temp           |          |       |            |             |                |            |          |              |        | DEPRE                                            |           |           |             |         |              |                                               |            | TOTAL       |          | TOTAL              |                |
| (F)            | 0        | 1 - 2 | 3 - 4      | 5 - 6       | 7 0 1          | 9 - 10     | 11 - 12  | 13 - 14 1    | 5 - 16 | 17 - 18                                          | 19 - 20   | 21 - 22 2 | 3 - 24      | 25 - 26 | 27 - 28      | 29 - 30                                       | ≥ 31       | D.B./W.B.   | Dry Bulb | Wet Bulb           | Dew Po         |
| 4/ 53<br>2/ 51 |          |       |            |             |                |            | •2<br>•1 |              |        |                                                  |           |           |             |         |              |                                               |            | 2           | 2        |                    |                |
| 0/ 49          |          |       |            |             |                | * 1        | ,1       |              |        | <del>                                     </del> |           |           |             |         |              |                                               |            | 2           | 2<br>12  |                    |                |
| 8/ 47          |          |       | 3          | •2          | 1.0            | • 3        | •2       | <del></del>  | —      | ┼──┤                                             |           |           |             |         |              |                                               |            | 23          | 23       |                    |                |
| 4/ 43          |          |       | - 3        | 1.0         | 1,1            | - 8        | • 2      |              |        |                                                  |           |           |             |         |              |                                               |            | 28          | 28       |                    |                |
| 2/ 41          |          | ,     | .4         | 1.1         | 1.2            | • 4<br>• 8 | • 1      |              |        |                                                  |           |           |             |         |              |                                               |            | 30<br>54    | 30<br>54 | 9<br>18            |                |
| 0/ 39<br>8/ 37 |          | • 1   | 1.3        | 2.2         | 1,6            | • 3        |          |              |        | +                                                |           |           | -           |         |              |                                               |            | 46          | 46       | 29                 |                |
| 6/ 35          | !        | . 2   | 1.3        |             | . 8            | . 4        |          |              |        |                                                  |           |           |             |         |              |                                               |            | 58          | 58       | 35                 | L              |
| 4/ 33          |          | 1.3   |            |             | • 5            |            |          |              |        |                                                  |           |           |             |         |              | -                                             |            | 68          | 68       | 67                 |                |
| 2/31           | - 4      | 2.2   | 2.7        | 1.8         | • 1            |            |          |              |        | -                                                |           |           |             |         |              |                                               |            | 58          | 68<br>58 | 104                |                |
| 0/ 29<br>E/ 27 | . 1      | 2.3   |            | .6          | .              |            |          |              |        |                                                  | , ,       |           |             |         |              |                                               |            | .66         | 66       | 87                 | 1              |
| 6/ 25          | 1.1      | 4.0   | 2.2        |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | 67          | 67       | 77                 | Ĭ              |
| 4/ 23          | 1.7      | 4.0   | .9         |             |                |            |          |              |        | <del>  </del>                                    |           |           |             |         |              |                                               |            | 61          | 61<br>56 | 105                |                |
| 2/ 21<br>0/ 19 | 1.5      | 3.8   | • 8<br>• 2 |             | .              |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | 56          | 45       | 62<br>57           | 1              |
| 8/ 17          | 1.0      |       | • 1        |             |                |            |          |              |        |                                                  |           |           |             |         |              | -                                             |            | 34          | 34       | 40                 | 1              |
| 6/ 15          | 2        | 1.1   | • 1        |             |                |            |          |              |        |                                                  |           |           |             |         | <del> </del> |                                               | ļ. <u></u> | 13          | 13       | 25                 |                |
| 4/ 13 2/ 11    | .6       | 1.1   | . 1        |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               | Ì          | 16<br>18    | 16<br>18 | 19<br>15           |                |
| 0/ 9           | .8       |       | • 2        |             |                |            | •        |              |        | 1                                                |           |           |             |         |              |                                               |            | 19          | 19       | 20                 |                |
| 8/ 7           | 101      | 6     |            |             |                |            |          |              |        | <b></b> _                                        |           |           |             |         |              |                                               |            | 16          | 16       | 19                 |                |
| 6/ 5           | .8<br>.5 | .4    |            |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | 11 6        | 11       | 15<br>5            |                |
| 2/ 1           | .9       | .5    |            |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | 13          | 13       | 11                 |                |
| 0/ -1          | 1.3      |       |            |             | <b></b> -      |            |          |              |        | <del> </del> -                                   |           | -         |             |         |              |                                               | <b>-</b>   | 15          | 15       | 15                 |                |
| 2/ -3          | .3<br>.1 | .3    |            |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | 1           | 1        | 1                  |                |
| 6/ -7          | . 2      | •1    |            |             |                |            |          |              |        |                                                  |           |           |             |         |              |                                               |            | 3           | 3        | 3                  |                |
| 0/-11          | . 2      |       |            |             |                |            |          |              |        | +                                                |           |           |             |         |              |                                               | $\vdash$   | 2           | 2        | 2                  |                |
| 2/-13          | 4        |       |            | <b></b>     |                |            | L        |              |        |                                                  | L         |           |             |         |              |                                               | <u></u>    | <u>  4</u>  | 4        | 4                  | <u> </u>       |
| ement (X)      |          | Σχ'   |            |             | z <sub>X</sub> |            | X        | ·*x          | - -    | No. Ob                                           | <u>s.</u> |           | <del></del> |         |              |                                               |            | h Temperatu |          |                    |                |
| ry Bulb        |          |       |            | <del></del> |                |            |          | <del> </del> | +      |                                                  |           | ±0 F      | +-=         | 32 F    | ≥ 67         | <u>-                                     </u> | 73 F       | ≥ 80 F      | = 93 !   | <del>-   - '</del> | Total          |
| . 7 DUID       |          |       |            | L           |                | - 1        |          | l            | 1      |                                                  | L         |           |             |         |              |                                               |            | ٠           | _L       | 1.                 |                |

A 0.26-5 (OLA) RENSED MEYIOUS EDITIONS OF

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| STATION     | MALMSTROM AFB MT/GREAT FALLS STATION NAME |                             |          |          |                                                  |             |                                                  |                                                  |                                                  | QU      |              | MAR<br>MONTH |         |              |         |          |               |            |                |       |              |
|-------------|-------------------------------------------|-----------------------------|----------|----------|--------------------------------------------------|-------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------|--------------|--------------|---------|--------------|---------|----------|---------------|------------|----------------|-------|--------------|
|             |                                           |                             |          |          |                                                  |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               | PAGE       | 2              | 0300- | -050         |
| Temp        |                                           |                             |          |          |                                                  |             |                                                  |                                                  |                                                  | DEPRE   |              |              |         |              |         |          |               | TOTAL      | " <del>'</del> | TOTAL |              |
| (F)         | 0                                         | 1 - 2                       | 3 - 4    | 5 - 6    | 7 - 8                                            | 9 - 10      | 11 - 12                                          | 13 - 14                                          | 15 - 16                                          | 17 - 18 | 19 - 20      | 21 - 22      | 23 - 24 | 25 - 26      | 27 - 28 | 29 - 30  | ≥ 31          | υ.Β.∕W.Β.  |                | ·     | Dew P        |
| 14/-15      | • 4                                       |                             |          |          |                                                  |             |                                                  |                                                  | ľ                                                |         |              | ļ. İ         |         |              |         |          |               | 4          | 4              | 4     | 1            |
| 16/-17      | • 2                                       |                             |          |          |                                                  |             |                                                  |                                                  | <u> </u>                                         |         |              |              |         |              |         |          |               | 2          | 2              | 2     | <del> </del> |
| 20/=21      | . 1                                       |                             |          |          |                                                  |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               | i          | ī              | ī     | 1            |
| 22/-23      | • 1                                       |                             |          |          |                                                  |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               | 1          | ,              | 1     |              |
| 26/-27      |                                           |                             |          |          |                                                  |             |                                                  |                                                  |                                                  |         | <del>`</del> |              |         |              |         |          |               |            |                |       |              |
| 28/-29      |                                           |                             |          |          |                                                  |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                | i     | ·            |
| 32/-33      |                                           |                             |          |          |                                                  | <u> </u>    |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
| OTAL        | 17.1                                      | 32.4                        | 20.4     | 17.4     | 8,1                                              | 3,7         | 1.0                                              |                                                  |                                                  |         |              |              |         |              |         |          |               | 1930       | 930            | 930   | 9:           |
|             |                                           |                             |          |          |                                                  |             |                                                  | <del>                                     </del> |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
|             |                                           |                             |          |          |                                                  | ļ<br>       |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
| -           |                                           |                             | ļ        |          | ļ                                                |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
| <del></del> |                                           |                             |          |          |                                                  | <u> </u>    |                                                  |                                                  | <u> </u>                                         | 1       |              |              |         |              |         |          |               |            |                |       |              |
|             |                                           |                             | ļ        |          |                                                  |             |                                                  | ļ                                                | <u> </u>                                         |         | · · · ·      |              |         |              |         |          |               |            |                |       |              |
|             |                                           |                             |          |          |                                                  | 1           |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
|             |                                           |                             | i        | <u> </u> |                                                  | <u> </u>    |                                                  |                                                  | <del>                                     </del> |         |              |              |         |              |         |          |               |            |                |       |              |
|             |                                           |                             |          | ļ        | ļ                                                |             |                                                  |                                                  |                                                  | 1       |              |              |         |              |         |          |               |            |                |       | ļ            |
|             |                                           | ,                           |          |          |                                                  |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          | i<br>i        |            |                |       |              |
|             |                                           |                             | <u> </u> | ·        | <del> </del>                                     |             | <del>                                     </del> |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
|             |                                           | ļ                           |          |          |                                                  | <u> </u>    | <u> </u>                                         | <u> </u>                                         |                                                  |         |              | <u> </u>     |         |              |         | <u> </u> |               |            | ·              |       | <u> </u>     |
|             |                                           | ĺ                           |          |          |                                                  | •           |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            |                |       |              |
|             |                                           |                             |          | $\vdash$ |                                                  |             |                                                  | 1                                                | <del>                                     </del> |         |              |              |         | -            |         |          |               |            |                |       |              |
|             |                                           |                             |          |          |                                                  |             |                                                  | <u> </u>                                         | ↓                                                |         |              |              |         |              |         |          |               |            |                |       | <u> </u>     |
|             |                                           |                             |          |          |                                                  | 1           |                                                  |                                                  |                                                  |         |              |              |         |              |         |          | [             |            |                |       |              |
|             |                                           |                             |          |          | <del>                                     </del> |             |                                                  |                                                  |                                                  |         |              |              |         |              |         |          |               |            | -              |       |              |
| Element (X) |                                           | Σ <sub>X</sub> <sup>2</sup> | L        |          | z <sub>x</sub>                                   | <del></del> | X                                                | - F                                              |                                                  | No. Ob  | 5.           | I            | L       | İ            | Meon I  | lo. of H | l<br>ours wit | h Temperat |                | l     | L            |
| Rel. Hum.   |                                           | 460                         | 5542     |          | 637                                              | 1.4         | 68.5                                             | 16.0                                             | 90                                               | 9       | 30.          | ± 0 1        |         | ≤ 32 F       | ≥ 67    |          | 73 F          | ≥ 80 F     | ≥ 93 1         | F     | Total        |
| Dry Bulb    |                                           | 80                          | 4653     |          | 247                                              | 93          | 26.7                                             | 12.4                                             | 37                                               | 9       | 30           |              | .9      | 60+6         |         | •        |               |            | L              |       |              |
| Wet Bulb    | _                                         |                             | 2264     |          | 218<br>156                                       | 56          | 23.5<br>16.9                                     | 10.5                                             | 19                                               |         | 30<br>30     | .4<br>.6     | .2      | 77,2<br>91,8 |         |          |               | İ          |                |       |              |

## **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFS MT/GREAT FALLS 68-77
STATION STATION NAME

PAGE 1 0600-0800

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|             |     |          |          |       |                |        |         |          |         |           |          |                            |         |          |          |          |          | PAGE       | • .      | HOURS (  | L. S. T.) |
|-------------|-----|----------|----------|-------|----------------|--------|---------|----------|---------|-----------|----------|----------------------------|---------|----------|----------|----------|----------|------------|----------|----------|-----------|
| Temp,       |     | -        |          |       |                |        |         |          |         | DEPRE     |          |                            |         |          |          |          |          | TOTAL      |          | TOTAL    |           |
| (F)         | 0   | 1 - 2    | 3 - 4    | 5 - 6 | 7 - 8          | 9 - 10 | 11 - 12 | 13 - 14  | 15 - 16 | 17 - 18   | 19 - 20  | 21 - 22                    | 23 - 24 | 25 - 26  | 27 - 28  | 29 - 30  | ≥ 31     | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew Point |
| 54/ 53      |     |          |          |       |                | • 1    | .1      |          |         |           |          |                            |         |          |          |          |          | 2          | 2        |          |           |
| 52/ 51      |     |          |          |       |                |        | .3      |          |         |           |          |                            |         |          | L        |          |          | 3          | 3        |          |           |
| 50/ 49      |     |          |          |       | , 3            | •1     | • 1     |          |         |           |          |                            |         |          | ]        | ļ        |          | 5          | 5        |          |           |
| 48/ 47      |     | i        |          | 1     | _,2            | .5     | .1      |          |         |           |          |                            |         |          | ļ        |          |          | 9          | 9        |          |           |
| 46/ 45      |     |          |          | . 9   | 2.2            | ,9     | •1      | I        |         |           |          |                            |         |          |          |          |          | 38         | 38       |          |           |
| 44/ 43      |     |          |          | 1.0   | 1.5            | • 2    | ·       | ii       |         | ]i        |          |                            |         |          | 1        |          |          | 26         | 26       | 2        |           |
| 42/ 41      |     |          | • 3      | 2.6   |                | • 3    | •1      |          |         |           |          |                            |         |          |          |          |          | 43         | 43       | 5        |           |
| 40/ 39      |     | <u> </u> | . 5      | 2.3   | . 8            | • 5    | , i     |          |         |           | l        | L                          | _       | ] .      | }        |          | Ì        | 39         | 39       | 25       |           |
| 38/ 37      |     |          | 1.5      |       |                | • 3    |         |          |         |           |          |                            |         |          |          |          |          | 44         | 44       | 38       |           |
| 36/ 35      |     | .6       |          | 2.2   | . 8            |        |         |          |         |           |          |                            |         |          |          |          |          | 47         | 47       | 51       | 4         |
| 34/ 33      | . 1 | 1.0      | 2.9      | 2.8   | 1.0            |        |         |          |         |           |          |                            |         |          | 1        |          |          | 72         | 72       | 59       | 8         |
| 32/ 31      | . 6 |          |          | 1.9   | .4             |        |         |          |         | <u></u> , |          | <u> </u>                   |         | <u>L</u> | L        |          | L        | 85         | 85       | 66       | 2Ò        |
| 30/ 29      | . 1 | 2.2      | 3.4      | 1.1   | • 1            |        |         |          |         |           |          |                            |         | 1        | 1        |          |          | 64         | 64       | 87       | 48        |
| _8/ 27      | . 6 | 2.7      | 3.8      | . 5   |                |        |         |          |         |           |          |                            |         |          |          |          |          | 71         | 71       | 105      | 59        |
| 26/ 25      | ۶   | 4.1      | 1.2      |       |                |        |         |          |         |           |          |                            |         |          |          |          |          | 57         | 57       | 88       | 75        |
| 24/ 23      | . 8 | 3,3      | 1.0      |       |                |        |         | ll       |         | <u> </u>  |          |                            |         | L        |          | l        |          | 47         | 47       | 81       | 88        |
| 22/ 21      | 1.3 | 2.5      | • 5      |       |                |        |         |          |         | 1         |          |                            |         | i -      |          |          |          | 40         | 40       | 58       | 89        |
| 20/ 19      | 2.4 | 2.9      | • 1      |       |                |        |         |          |         | l         |          |                            |         | <u> </u> |          |          | <u> </u> | 50         | 50       | 57       | 95        |
| 18/ 17      | . 5 | 2.3      |          |       |                |        |         |          |         |           |          |                            |         |          |          |          |          | .29        | 29       | 31       | 98        |
| 16/ 15      | . 5 | . 9      | • 1      |       |                |        |         |          |         |           |          |                            |         | Ĺ        | L        |          | <u> </u> | 14         | 14       | 27       | 74        |
| 14/ 13      | .4  | 1.3      | . 4      |       |                |        |         |          |         | į         |          |                            |         |          | [        | [        |          | 20         | 20       | 15       | 36        |
| 12/ 11      | 1.2 | 1,1      |          |       |                |        |         |          |         |           |          |                            |         |          |          |          |          | 21         | 21       | 24       | 44        |
| 10/ 9       |     | 1.4      | <u> </u> |       |                |        |         |          |         |           |          |                            |         |          |          |          |          | 22         | 22       | . 20     | 53        |
| 8/ 7        | 1.0 |          |          |       |                |        |         |          |         |           |          |                            |         |          | <u> </u> |          |          | 12         | 12       | 18       | 24        |
| 6/ 5        |     | • 3      |          |       |                |        |         |          |         |           |          |                            |         |          |          |          |          | 7          | 7        | 9        | 16        |
| 4/ 3        |     |          |          |       |                |        |         |          |         | <u> </u>  |          |                            |         |          | L        |          | <u></u>  | 10         | 10       | 10       | 17        |
| 2/ 1        | .6  | • 4      |          |       | ·              |        | 1       | [ [      |         |           | •        |                            |         |          |          |          | 1        | 10         | 10       | 7        | 15        |
| 0/ -1       | - 9 |          |          |       |                |        | l       |          |         |           | <u> </u> |                            |         |          | <u> </u> |          | <u> </u> | 8          | 8        | 12       | 13        |
| -2/ :-3     | .6  | •4       |          | ,,    | Ī              |        |         |          |         | į         |          |                            |         |          |          | [        |          | 10         | 10       | 7        | 6 9       |
| -4/ -5      | . 3 |          |          |       |                |        |         |          |         |           | L        |                            |         |          |          | <u> </u> | <u> </u> | 3          | 3        | 6        | 9         |
| -6/ -7      |     |          |          |       | Ţ              |        |         | [ ]      | •       | 1         |          |                            |         | J        |          | [        |          | 7          | 7        | 7        | 3         |
| -8/ -9      |     |          |          |       |                |        |         |          |         |           |          | ļ                          |         |          |          |          |          | 1          | 1        | 1        | 8.        |
| -10/-11     | • 4 |          |          |       |                |        |         |          |         |           |          |                            |         |          | ]        |          |          | 4          | •        | 4        |           |
| -12/-13     |     | 2        |          |       |                | سيس    |         |          |         |           |          |                            |         |          |          |          |          | 2          | Ž        | 2        | 7         |
| Element (X) |     | Z X2     |          |       | z <sub>X</sub> |        | X       | <b>₹</b> |         | No. Ob    | 8.       |                            |         |          | Mean     | to, of H | ours wit | h Temperat | urø      |          |           |
| Rel. Hum.   |     |          |          |       |                |        |         |          |         |           |          | ± 0                        |         | 4 32 F   | ≥ 67     | F        | 73 F     | ≥ 80 F     | ≥ 93 F   |          | Total     |
| Dry Bulb    |     |          |          |       |                |        |         |          |         |           | ,        |                            |         |          |          |          |          |            |          |          |           |
| Wet Bulb    |     |          |          |       |                |        |         |          |         |           | , J      | د کری ایم<br>دامیرود و ایم |         |          |          |          |          |            |          |          |           |
| Dew Point   | i   |          |          |       |                |        |         |          | T       |           | •        | 7                          | 1       |          |          |          |          |            |          |          |           |

OEM 0.26-5 (OL A) rensep menous EbitiONS OF THIS

USAFETAC FORM 0.26-5 (OLA)

5 (OLA) remais memora senious of this role are obsourre.

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

MALMSTRUM AFB MT/GREAT FALLS 68-77 STATION NAME YEARS 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb (F) Wet Bulb Dew Point -14/-15 5 -16/-17 -18/-19 1 2 -20/-21 -24/#25 -26/-27 -28/-29 FOTAL 3 17.730.021.517.5 9.1 3.0 1.1 930 930 930 930

Element (X) No. Ohs. Meen No. of Hours with Temperature Rel. Hum. 4561698 63394 68.216,087 930 ≤ 32 F ± 0 F 267 F = 73 F = 80 F ≥ 93 F Total 4.7 1930 Dry Buib 830728 25108 27.012.828 93 60,2 23.810.840 930 75.0 Wer Belb 634624 22106 15868 91.8 Dew Point 373926 730

THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O

#### **PSYCHROMETRIC SUMMARY**

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| -            |      |        |       |            |          | WET        | DIII 9 3 | ENDER       | ATUGE          | OFBOI        | SSION        | E)                                               |                                        |          |               |         |          | TOTAL        |             | TOTAL        |                            |
|--------------|------|--------|-------|------------|----------|------------|----------|-------------|----------------|--------------|--------------|--------------------------------------------------|----------------------------------------|----------|---------------|---------|----------|--------------|-------------|--------------|----------------------------|
| Temp.<br>(F) | 0 1  | 1 . 2  | 3 · 4 | 5 - 6      | 7 - 8    |            |          |             |                |              |              |                                                  | 22 24                                  | 25 24    | 27 - 28       | 20 20   | - 21     |              | Day Bulb    | TOTAL        | Dew Point                  |
|              |      | -1 - 4 | 3.4   | 3.0        | / - 8    | 9.10       | 11 - 12  | 13 - 14     | 13 - 10        | 17 - 18      | 19 - 20      |                                                  | 23 - 24                                | 23 . 26  | 27 - 28       | 29 - 30 | 231      | <del></del>  | Ury 8018    | WAL DOIL     | Dew Foint                  |
| 66/ 65       |      | -      | 1     |            |          |            |          |             | ١,             | ١,           | 1            | •1                                               |                                        |          | 1             |         |          | 1            | 6           | 1            | 1                          |
| 64/ 63       |      |        |       |            |          |            |          | - 1         | .4             |              | <del> </del> | <b> </b>                                         |                                        |          |               |         |          | 6            | 4           | <del> </del> |                            |
| 62/61        | - 1  | į      | Į     |            |          |            |          | •2          |                | Ι.           | .2           | 1                                                |                                        |          |               |         | İ        | j '          |             | l            | l                          |
| 60/ 59       |      |        |       |            |          |            |          | 1           | .3             | -1           | <del> </del> |                                                  |                                        | <b> </b> | <del> </del>  |         |          | 6            | 6           | <del> </del> | <del> </del>               |
| 58/ 57       |      | ļ      | ļ     |            |          | • 2<br>• 2 | • 4      | 1.0         | •6             | .2           | 1            |                                                  |                                        |          | ì             |         |          | 23           | 23          | 1            | i                          |
| 56/ 55       |      |        |       |            |          |            | .6       | 1.1         | ļ <u>.</u>     |              | <u> </u>     |                                                  |                                        |          |               |         |          | 18           | 18          | ļ            | ļ                          |
| 54/ 53       | -    | }      | j     | - 1        | * 1      | • 6        | 1.6      | • 4         | .1             | .2           | ·            | ) .                                              |                                        |          |               |         |          | 29           | 29          | 1            | ļ                          |
| 52/ 51       |      |        |       |            | • 2      |            | 1.5      | .5          |                |              | <u> </u>     |                                                  |                                        |          | <u> </u>      |         |          | 21           | 21          |              |                            |
| 50/ 49       | - 1  |        | į     | • 1        | • 2      | 1,2        | . 8      | • 2         |                | <b>!</b>     | 1            |                                                  |                                        |          | 1             |         |          | 24           | 24          | 1            |                            |
| 48/ 47       |      |        |       | - 2        | , 8      |            |          | 3           |                | ļ            | <u> </u>     | ļ                                                |                                        |          |               |         |          | 50           | 50          |              |                            |
| 46/ 45       | ļ    | • 1    | • 2   |            | 2.0      | 1,8        | 1.6      | • 1         | ļ              | ļ            | }            | ] .                                              |                                        | Į į      |               |         |          | 55           | 55          |              | Į.                         |
| 44/ 43       |      |        |       | 1.0        |          |            | . 8      |             |                | <u></u>      | <u> </u>     |                                                  | L                                      |          |               |         |          | 49           | 49          |              |                            |
| 42/ 41       | 1    | • 1    | - 4   | 1.5        |          | 2.4        | . 3      |             | 1              | 1            | 1            | ļ                                                |                                        | i i      |               |         |          | 62           | 62          |              | 1                          |
| 40/ 39       |      |        | • 2   | 2.2        | 2,3      |            | . 2      |             |                |              | <u> </u>     | [                                                |                                        |          |               |         |          | 69           | 69          | 40           | 3                          |
| 38/ 37       | • 1  | j      | • 9   | i oò       | 2,4      | . 3        |          |             |                | ļ            |              | ļ                                                |                                        |          |               |         |          | 53           | 53          | 72           | 3                          |
| 36/ 35       | . 1  | 2      | 1.3   | 2.2        | 2.0      | , 2        |          |             | <u> </u>       |              | l            |                                                  |                                        | <u> </u> | l i           |         |          | 56           | 56          |              |                            |
| 34/ 33       | . 1  | 1.3    | 2.0   | 1.7        | • 9      | • 2        |          |             |                |              | Ĭ            |                                                  |                                        |          |               |         |          | 58           | 58          | 70           | 13<br>29<br>48<br>92<br>74 |
| 32/ 31       | 1    | 1.3    | 1.4   | 1.1        | . 2      |            |          |             | <b>.</b>       |              | l .          | (                                                |                                        |          | 1             |         | İ        | 38           | 38          | 105          | 29                         |
| 30/ 29       | .2   | 1.5    | 1.7   | • 2        | . 2      |            |          |             |                | 1            | 1            |                                                  |                                        |          |               |         |          | 36           | 36          | 98           | 48                         |
| 28/ 27       | . 1  | 1.7    | 1.2   | <b>.</b> 5 |          |            | l        |             | [              | {            | 1            | <b>i</b>                                         |                                        | [        | [ [           |         |          | 33           | 33          | 71           | 92                         |
| 26/ 25       |      | 2.0    | . 8   | • 1        |          |            |          |             |                |              |              |                                                  |                                        |          |               |         |          | 27           | 27          | 43           | 74                         |
| 24/ 23       | 1.0  |        | •3    |            |          | i          |          |             | •              |              | 1            |                                                  |                                        |          | 1             | j       |          | 30           | 30          |              | 80                         |
| 22/ 21       | .4   | 1.4    | . 9   |            |          |            |          |             |                | 1            |              |                                                  |                                        |          |               |         |          | 25           | 25          |              |                            |
| 20/ 19       | . 5  | 1.7    | . 8   | · 1        |          |            |          |             | 1              | 1            | •            | 1                                                |                                        |          | 1             |         |          | 28           | 28          |              |                            |
| 18/ 17       | .2   | 1.0    |       |            |          |            |          |             |                |              |              |                                                  |                                        |          |               |         |          | 14           | 14          |              |                            |
| 16/ 15       | • 7  | .6     | . 2   | •          |          |            |          |             | ł              | ł            | ì            | 1                                                | 1                                      | l        | } {           |         |          | 8            | 8           | 13           |                            |
| 14/ 13       | .5   | .8     |       |            |          |            |          |             |                | <del> </del> | <del> </del> |                                                  |                                        |          |               |         |          | 12           | 12          | 16           |                            |
| 12/ 11       | 9    | 1.8    | ļ.    |            |          |            |          |             | ļ              | ļ            | 1            | . '                                              |                                        |          |               |         |          | 25           | 25          |              | 47                         |
| 10/ 9        | 1.2  |        |       |            |          |            |          |             | <del> </del>   | <del> </del> |              | <del> </del>                                     |                                        |          | <del>  </del> |         |          | 22           | 22          |              | 38                         |
| 8/ 7         | . 5  | . 2    | ļ     | '          |          |            |          |             | Ì              | 1            | 1            | 1 !                                              |                                        |          | 1 1           |         |          | 7            | 7           | 11           | 47<br>38<br>38             |
| 6/ 5         | - :6 |        |       |            |          |            |          |             |                | <del> </del> | <del> </del> |                                                  |                                        | <b></b>  | <del>  </del> |         |          | 6            | 6           |              | 25                         |
| 4/ 3         | 4    | .4     | ļ     |            |          |            |          |             |                |              |              |                                                  |                                        |          |               |         |          | 8            | 8           | 5            | 18                         |
| 2/ 1         | .3   | .3     |       |            |          | <u> </u>   |          |             | <del> </del> - | <del> </del> |              | <del>                                     </del> |                                        | <b> </b> | <del>  </del> |         | <u> </u> | 6            | 6           |              |                            |
| 0/ -1        | • 7  | • 2    | Į     |            |          |            |          |             | l              | 1            | 1            | 1                                                |                                        |          | 1             |         |          |              |             | 6            | 7                          |
| Element (X)  |      | E X2   |       |            | z x      | ╙┯┷        | X        | -           | <del></del>    | No. O        | <u> </u>     |                                                  | ــــــــــــــــــــــــــــــــــــــ | L        | Mars N        | u       |          | h Tempera    | 7           | <del></del>  |                            |
| Rel. Hum.    |      | - A.   |       |            | <u> </u> |            | ^        |             |                | Ro. U        | ···          | 10                                               | - 1                                    | 22.5     | Mean Pe       |         |          |              |             |              | Total                      |
| Dry Bulb     |      |        |       |            |          |            |          |             |                |              |              | 3.0                                              | -   ;                                  | 1 32 F   | 2 0/          |         | 73 F     | > 80 F       | <b>2 93</b> | <u>-</u>     | 1 0101                     |
|              |      |        |       |            |          |            |          |             |                |              |              |                                                  |                                        |          | <u> </u>      |         | <u> </u> | <del> </del> |             |              |                            |
| Wet Bulb     |      |        |       |            |          |            |          | <del></del> | <del></del> †- |              |              |                                                  |                                        |          | ļ             |         |          | ļ            |             |              |                            |
| Dew Point    |      |        | ,     |            |          | - 1 -      |          | ì           | - 15           | 13           | -            | -                                                | ı                                      |          | 1             | 1       |          | 1            | 1           | ı            |                            |

1C FORM 0-26-5 (OLA) #

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EAFETAC POR

## **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77 MAR
STATION STATION NAME YEARS MONTH

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|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  |                                                  | HOURS (                                          | C. S. 1., |
|-------------|-----|-------|-------|------------|----------|--------|--------------|------------|--------------------|-------------|-------------|---------|---------|---------|---------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------|
| Temp<br>(F) | 0   |       | 3 - 4 |            |          |        |              |            |                    | DEPRE       |             |         |         |         |         |          | .1                                               | TOTAL                                            |                                                  | TOTAL                                            |           |
| -2/ -3      |     | 1 · 2 | 3 - 4 | 5 - 6      | 7 - 8    | 9 - 10 | 11 - 12      | 13 - 14    | 15 - 16            | 17 - 18     | 19 - 20     | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30  | > 31                                             | <del></del>                                      |                                                  | Wet Bulb                                         |           |
|             | • 1 | • 4   |       |            | l        | ļ      |              |            |                    |             |             |         |         |         |         |          |                                                  | 5                                                | 5                                                | 2                                                | •         |
| -4/ -5      |     | •1    |       |            | <b> </b> |        | <del> </del> |            |                    |             |             |         |         |         |         |          | <del>  </del>                                    | 1                                                | 1                                                | 4                                                | ļ         |
| -6/ -7      | . 4 |       |       |            | İ        |        | İ            |            |                    |             |             |         |         |         |         |          | ļ                                                | 4                                                | •                                                | 4                                                |           |
| 8/ -9       |     | • 1   |       | ļ          | <u> </u> | ļ      |              |            |                    |             |             |         |         |         |         |          |                                                  | 1                                                | 1                                                | 1                                                |           |
| 10/-11      | .3  |       |       |            |          |        | İ            |            |                    | 1           |             |         |         | :       |         |          |                                                  | 3                                                | 3                                                | 3                                                |           |
| 12/-13      | , 2 |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                | 2                                                | 2                                                | 2                                                |           |
| 14/-15      | . 1 |       |       | ]          | )        |        | }            |            |                    | ]           | 1           |         |         | ] :     | j i     |          |                                                  | 1                                                | ] 1                                              | 1                                                | ļ         |
| 8/-17       |     |       |       | ļ <u>.</u> |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  |                                                  |                                                  |           |
| 18/-19      |     |       |       |            |          |        |              |            |                    |             |             | 1 1     | ٠       |         |         |          | 1                                                | }                                                |                                                  |                                                  | 1         |
| 22/-23      |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | <u> </u>                                         |                                                  |                                                  |                                                  |           |
| 24/-25      |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  |                                                  |                                                  |           |
| JTAL        | 9.0 | 20.3  | 12.6  | 12.4       | 14.8     | 15.2   | 9.0          | 4.1        | 1.6                | ,6          | . 2         | • 1     |         |         |         |          |                                                  |                                                  | 930                                              |                                                  | 93        |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  | 930                                              |                                                  | 930                                              |           |
|             |     |       |       |            |          | L      |              |            |                    |             |             | i       |         |         |         |          |                                                  | <u> </u>                                         |                                                  |                                                  |           |
| }           |     |       | i i   |            |          |        | ļ            |            |                    | ]           |             | 7       |         |         |         |          |                                                  |                                                  | í                                                |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | <u>i</u>                                         |                                                  |                                                  | <u> </u>                                         |           |
|             |     |       |       |            |          |        |              |            |                    | l 1         |             |         |         | i i     |         |          |                                                  |                                                  |                                                  |                                                  |           |
|             |     |       |       | <u> </u>   |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  | l                                                |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  | <u> </u>                                         |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                | į                                                |                                                  |                                                  |           |
| l           |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  | i                                                |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    | i i         |             | l       |         | l i     |         |          | 1                                                |                                                  | ļ                                                |                                                  | ł         |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  |                                                  |                                                  |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                |                                                  | ļ                                                |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                |                                                  | l                                                | i                                                |           |
|             | ٠,  |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  | }                                                | l                                                |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                | $\overline{}$                                    | <del>                                     </del> | <del>                                     </del> | <b></b>   |
|             |     |       |       | j l        |          | ļ·     |              |            |                    | ļ (         |             |         |         |         |         |          |                                                  | 1                                                | ļ                                                | !                                                |           |
|             |     |       |       |            |          |        |              |            |                    | 1           |             |         |         |         |         |          | <del>                                     </del> | <del>                                     </del> |                                                  |                                                  |           |
| I           |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          |                                                  | l                                                |                                                  |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | <del>                                     </del> |                                                  | <del> </del>                                     |                                                  |           |
| 1           |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                | 1                                                |                                                  |                                                  |           |
|             |     |       |       |            |          |        |              |            |                    |             |             |         |         |         |         |          | 1                                                | <del>                                     </del> | <del> </del>                                     |                                                  | <b></b>   |
|             |     |       |       |            |          |        |              |            |                    | ľ [         |             |         |         |         | 1       |          | !                                                | 1                                                | 1                                                |                                                  |           |
| ement (X)   |     | Z X²  |       |            | Z X      |        | X            | <b>7</b> , |                    | No. Ob      | <del></del> |         |         |         | Meen A  | to. of 1 | ours wit                                         | h Tempera                                        | ture                                             | <b></b>                                          | Ь         |
| I. Hum.     |     |       | 6156  |            | 521      | 80     |              | 19.9       | 1.5                |             | 30          | ± 0 F   |         | 2 32 F  | ≥ 67    |          | 73 F                                             | ₹ 80 F                                           | = 93 1                                           |                                                  | Total     |
| y Bulb      |     | 130   | 2434  | l          | 320      | 74     | 34.5         | 14,5       | 35                 | <del></del> | 30          | 2       |         | 34,6    |         | ++       |                                                  | · · · ·                                          | +                                                |                                                  | 9         |
| et Bulb     |     |       | 0100  |            | 265      | 46     | 28-5         | 10.9       | 98                 |             | 30          |         | 4       | 56.7    |         |          |                                                  | <del> </del>                                     |                                                  |                                                  | 9         |
| ew Point    |     |       | 1757  |            | 173      |        | 18.6         | PX S       | <del>-     -</del> |             | 30          | 3       | -       | 90.1    |         |          |                                                  | <del> </del>                                     |                                                  | <del></del>                                      | 9         |

## **PSYCHROMETRIC SUMMARY**

| 12<br>TATION |     |       |       | 51    | MT/GF | ME     |         |         |         | 68-     |         |         |         | YE       | AP\$     |          |          |             |          | Mo       | HTH    |
|--------------|-----|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|-------------|----------|----------|--------|
|              |     |       |       |       |       |        |         |         |         |         |         |         |         | •        |          |          |          | PAGE        | 1        | 12004    | -140(  |
| emp          |     |       |       |       |       | WET    | BULB 1  | EMPER   | ATURE   | DEPRE   | SION (  | F)      |         |          |          |          |          | TOTAL       |          | TOTAL    |        |
| (F)          | 0   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26  | 27 - 28  | 29 - 30  | ≥ 31     | D.B./W.B.   | Dry Bulb | Wet Bulb | Dew Po |
| / 69         |     |       |       |       |       |        |         |         |         |         |         |         |         | •1       |          |          | 1        | 1           | 1        |          |        |
| 67           |     |       |       |       |       |        |         |         |         |         | .3      | •1      | • 2     | <u> </u> |          |          |          | 6           | 6        |          |        |
| / 65         |     | · ·   | 1     |       |       |        |         |         | . 1     | .4      | . 1     | • 1     |         |          |          |          |          | 7           | 7        |          |        |
| / 63         |     |       |       |       |       |        |         |         | . 8     | . 9     | .1      |         |         |          |          |          | 1        | 16          | 16       |          |        |
| / 61         |     | 1     | 1     |       |       | 1      |         | . 5     | 1.1     | - 2     | .4      |         |         |          |          |          | Ĭ        | 21          | 21       |          |        |
| / 59         |     |       |       |       |       |        | .1      | . 1     | 1.7     | . 5     | _,2     |         |         |          |          |          | <u> </u> | 25          | 25       |          |        |
| / 57         | j   | ]     | - 1   |       |       | • 2    |         | • 6     | 1.4     | . 5     | • 2     |         |         |          |          |          | ]        | 28          | 28       |          |        |
| / 55         |     |       |       |       |       | -1     | . 3     | 2.2     | 1.1     | 4       |         |         |         |          |          |          |          | 38          | 38       |          |        |
| / 53         |     |       | ĺ     |       |       | • 1    | 1.6     | 2.3     | .4      | . 2     | • 1     |         |         |          |          |          |          | 44          | 44       |          |        |
| / 51         |     | I     | - 1   |       |       | .4     | 1.1     | 1.4     | , 4     | ,1      |         |         |         | <u></u>  |          |          |          | 33          | 33       |          |        |
| / 49         | -   |       | i     | • 1   | . 2   | • 4    |         |         | • 1     | 1       |         |         |         | 1        |          |          |          | 37          | 37       | 7        |        |
| 1 47         |     |       | • 1   | • 1   | . 9   | 1.5    | 2.8     | 1.0     | Ì       |         |         |         |         |          |          |          | 1        | 59          | 59       | 28       |        |
| / 45         |     | !     | ļ     | • 1   | 1.7   | 2.6    |         |         |         | }       |         |         |         |          |          |          |          | 85          | 85       | 17       |        |
| / 43         |     | . 1   | -1    | .9    | , 5   | 1.6    |         | . 2     |         |         |         |         |         |          |          |          |          | 60          | 60       | 48       |        |
| / 41         |     | İ     | • 1   | .4    | 1.0   | 2.2    | 1.2     | • 2     |         | - 1     |         |         |         | İ        |          |          |          | 47          | 47       | 56       |        |
| / 39         |     | • 1   |       | 1.1   | .6    | 1.5    | . 2     |         |         |         |         |         |         | <u> </u> |          |          |          | 33          | 33       | 72       |        |
| / 37         | 1   | • 2   | • 9   | 1.4   | .4    | •9     |         | Ì       | i l     |         | 1       |         |         |          |          |          |          | 35          | 35       | 79       |        |
| / 35         |     | . 4   | 1.1   | 1.6   | 1,2   | • 3    |         |         |         |         |         |         |         |          |          |          | <u> </u> | 43          | 43       | 88       |        |
| / 33         |     | . 9   | 1.3   | . 3   | 1.2   | • 3    |         |         |         | !       |         |         |         | 1        |          |          |          | 37          | 37       | 84       |        |
| / 31         | 2   | 1.3   | 1.5   | • 3   | . 4   |        |         |         |         |         |         |         |         | <u> </u> |          |          | <u> </u> | 35          | 35       | 90       |        |
| / 29         | . դ | • 6   | 1.3   | . 9   | . 3   | - 1    |         |         |         | - 1     |         |         |         | J        |          |          |          | 30          | 30       | 80       |        |
| / 27         |     | 1.7   | 1.4   | . 8   |       |        |         |         |         |         |         |         |         | <u> </u> |          |          |          | 36          | 36       | 38       | (      |
| / 25         | . 2 | 1.7   | 1.0   | . 1   |       |        | 1       |         |         | - 1     |         |         |         |          |          |          |          | 28          | 28       | 47       |        |
| / 23         | . 2 | 1.7   | - 4   |       |       |        |         |         |         |         | i       |         |         | <u> </u> |          |          |          | .22         | 22       | 41       |        |
| / 21         | ı   | • 5   | . 8   |       |       | j      |         |         | l î     | l       |         |         |         | ľ        |          |          |          | 12          | 12       | 27       |        |
| 19           | 5   | 1.4   | . 2   |       |       |        |         |         |         |         |         |         |         | <u> </u> |          |          | 1        | 20          | 20       | 20       | . 1    |
| / 17         | .3  | . 9   | • 1   |       | J     | ļ      |         |         | )       |         |         |         |         | ļ        |          |          |          | 12          | 12       | 21       |        |
| / 15         |     | . 9   | _ • 2 |       |       |        |         |         |         |         |         |         |         | <u></u>  | <u> </u> |          |          | 13          | 13       | 11       |        |
| / 13         | • 4 | 1.9   | ļ     |       |       | j      | ۱ ۱     |         |         | l       |         |         |         |          |          |          | 1        | .22         | 22       | 19       | (      |
| / 11         | . 2 | 1.2   | !     |       |       |        |         |         |         |         |         |         |         | <u> </u> |          |          |          | 13          | 13       | 18       | Č      |
| / 9          | . 3 | 1.1   | i     |       |       | - 1    | į       |         |         |         |         |         |         |          |          |          |          | 13          | 13       | 15       |        |
| 7 7          | 1   | 2     |       |       |       |        |         |         |         | 1       |         |         |         | <u> </u> |          |          |          | `3          | 3        | 7        |        |
| / 5          | • 2 | - 1   |       |       |       |        |         |         |         |         |         |         |         |          |          |          |          | 3           | -3       | 3        |        |
| / 3          |     | . 2   |       |       |       |        |         |         |         |         |         |         |         | <u> </u> |          |          |          | 2           | 2        | 1        |        |
| nent (X)     |     | Z X 2 | ]     |       | z X   |        | X       | • 4     |         | No. Obs |         |         |         |          | Meon N   | lo, of H | ours wit | h Temperatu | 110      |          |        |
| Hum.         |     |       |       |       |       |        |         |         |         |         |         | ≤ 0 1   |         | ≤ 32 F   | ≥ 67     | F        | 73 F     | > 80 F      | ≥ 93 F   |          | Total  |
| ulb          |     |       |       |       |       | 1      |         |         |         |         |         |         |         |          |          |          |          | #           | 1        |          |        |
|              |     |       |       |       |       |        |         |         |         |         |         |         |         |          |          |          |          | 1           |          |          |        |

Wet Bulb Dew Point

#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION HAME MAR 68-77 1200-1400 HOURS (L. S. T.) PAGE 2 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 1/ - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 8 2/ 2 3 0/ -1 1 2 1 -2/ -3 • 1 3 -4/ -5 3 -6/ -7 -8/ -9 -10/-11 -12/-13 -16/-17  $\frac{-18/-19}{-20/-21}$ -22/-23 TOTAL 930 929 3.717.910.5 8.1 8.512.215.611.1 7.1 3.3 929 529 No. Obs. Mean No. of Hours with Temperature Element (X) 2532689 1654497 47,721,296 39.614.602 929 930 Rel. Hum. 44293 ≤ 32 F ≥ 67 F ≥ 73 F Total 36803 27.5 Dry Bulb 1.1 31.410.033 18.7 8.724 929 1.0 45.0 90.1 Wet Bulb 1008651 29159

17390

396156

Dew Point

#### PSYCHROMETRIC SUMMARY

MAR MALMSTROM AFB MT/GREAT FALLS 68-77 1500-1700 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Bulb 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 6 70/ 69 68/ 67 5 •1 66/ 65 27 27 .4 16 62/ 61 16 1.1 60/ 59 21 21 34 1,5 34 58/ 57 . 8 .1 •4 36 36 . 8 56/ 55 26 54/ 53 • 2 1.2 ,5 26 47 52/ 51 .6 54 54 50/ 49 1.0 2.3 48/ 47 1.6 64 64 1.1 80 46/ 45 3.0 2.6 80 30 44/ 43 1.0 51 51 47 55 55 42/ 41 52 40/ 39 34 34 82 38 • 9 38 38/ 37 77 33 36/ 35 33 105 15 42 42 34/ 33 70 20 51 28 32/ 31 28 86 32 30/ 29 1.2 • 1 32 68 1.0 66 28/ 27 1.9 31 53 72 37 26/ 25 2.6 37 50 14 25 14 25 1.0 23 45 . 8 25 22/ 21 1.6 20/ 9 9 26 10 10 18/ 17 .8 10 77 16/ 18 15 81 17 17 14/ 13 .5 20 11 9 57 12/ 9 10 58 10/ 11 25 8/ 8 19 5 6/ 1 Element (X) Meen No. of Hours with Temperature Rel. Hum. ± 0 F ≤ 32 F ≥ 73 F Total Dry Bulb Wet Bulb

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0.26-5 (OL A)

## **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION                         | MAI           | LMST       | ROM   | AFB 51 | MT/G        | REAT         | FAL                                              | LS             |          | 6 <b>8-</b>  |              | MAR      |          |                                                  |                                                  |              |              |              |          |          |             |
|------------------------------------------|---------------|------------|-------|--------|-------------|--------------|--------------------------------------------------|----------------|----------|--------------|--------------|----------|----------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|--------------|----------|----------|-------------|
|                                          |               |            |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              | PAGE         | 2        | 1500-    | . 5. T.)    |
| Temp                                     |               |            |       |        |             |              |                                                  | TEMPER         |          |              |              |          |          |                                                  |                                                  |              |              | TOTAL        |          | TOTAL    |             |
| (F)                                      | 0             | 1 - 2      | 3 - 4 | 5 - 6  | 7 - 8       | 9 - 10       | 11 - 12                                          | 13 - 14        | 15 - 16  | 17 - 18      | 19 - 20      | 21 - 22  | 23 - 24  | 25 - 26                                          | 27 - 28                                          | 29 - 30      | ≥ 31         | D.B./W.B.    | Dry Bulb | Wet Bulb | Dew Point   |
| 2/ 1<br>0/ -1                            | . 1           | 2          |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              | 1            | 1 5      | 2        | 7           |
| -2/ -3                                   |               | .2         |       |        | <del></del> |              | <del> </del>                                     | <del> </del>   |          | <del> </del> | -            | <u> </u> |          | ļ                                                | ļ                                                | <u> </u>     | <del> </del> | 4            |          | 2        |             |
| -4/ -5                                   | ]             | • 1<br>• 2 |       |        |             | ]            |                                                  |                |          |              |              | ļ        |          | ļ                                                |                                                  |              | i            | 2            | 2        | 3 2      | 6<br>3      |
| -6/ -7                                   |               | .1         |       |        |             |              |                                                  |                |          |              |              |          |          | <b> </b>                                         | ļ — —                                            |              | <b> </b>     | 1            | 1        | 1        | 1           |
| -10/-11<br>-12/-13                       |               |            |       |        |             | ļ            | <u> </u>                                         |                |          |              |              | <u> </u> |          | <u>L</u>                                         |                                                  |              | <u></u>      |              |          |          | 1           |
| -12/-13                                  |               |            |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              |              |          |          | 2           |
| 14/413                                   | <del></del> i |            |       |        |             |              |                                                  |                |          |              |              |          |          | <del> </del>                                     |                                                  | ļ.—          |              |              |          |          | 1           |
| -14/-15<br>-16/-17<br>-18/-19<br>-20/-21 | ļ             |            |       |        |             | ļ            |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              |              |          |          | 2           |
| -20/-21                                  |               |            |       |        |             |              |                                                  | i              |          |              |              |          |          |                                                  |                                                  |              | <u> </u>     | † <u>-</u>   |          |          | ī           |
| TOTAL                                    | 2.7           | 15.7       | 10.3  | 9.3    | 9.0         | 12.4         | 14.0                                             | 12.2           | 7.0      | 5.1          | 1.4          | •6       | .1       | •2                                               |                                                  |              |              |              | 930      |          | 929         |
|                                          | İ             |            |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              | 1929         |          | 929      |             |
|                                          |               |            |       |        |             |              | <del> </del>                                     |                |          | -            | <del> </del> |          |          | <del> </del>                                     |                                                  |              |              |              |          |          |             |
|                                          |               |            |       |        |             | <u> </u>     | ļ                                                |                |          |              |              |          |          |                                                  |                                                  |              |              |              |          |          |             |
|                                          | ļ             |            |       |        |             |              |                                                  |                |          | ļ            | İ            |          |          | 1                                                |                                                  |              |              |              |          |          |             |
|                                          |               |            |       |        |             |              | <del> </del> -                                   |                |          |              |              |          |          | <del>                                     </del> | <del>                                     </del> | ļ            | <del> </del> | 1            |          |          |             |
|                                          |               |            |       |        |             |              | ļ                                                |                |          | <u> </u>     |              |          |          | ļ                                                |                                                  |              | <u> </u>     |              |          |          |             |
|                                          | 1             |            |       |        |             |              |                                                  |                |          |              |              |          |          | }                                                |                                                  |              |              |              |          |          |             |
| <del></del>                              |               |            |       |        |             |              | <del> </del>                                     |                |          |              | <b> </b>     |          |          |                                                  |                                                  |              | <del> </del> | <del></del>  |          |          |             |
|                                          |               |            |       |        |             | <u> </u>     |                                                  |                |          |              |              |          |          | <u> </u>                                         |                                                  |              | <u> </u>     |              |          |          |             |
|                                          |               |            |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              |              |          |          |             |
| -                                        |               |            |       |        |             |              | <del>                                     </del> | -              |          |              | -            |          |          | <del> </del>                                     |                                                  | <del> </del> | -            |              |          |          |             |
|                                          |               |            |       |        |             |              |                                                  |                |          | <u>'</u>     |              |          |          |                                                  |                                                  |              |              |              |          |          |             |
|                                          |               |            |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              |              |          |          |             |
|                                          | -             |            |       |        |             | <del> </del> |                                                  | <del> </del> - |          |              | -            |          |          | <del> </del>                                     | <b> </b>                                         | <u> </u>     | <del> </del> | <del> </del> |          |          | <del></del> |
|                                          |               |            |       |        |             |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              | ]            |          |          |             |
|                                          |               |            |       |        | •           |              |                                                  |                |          |              |              |          |          |                                                  |                                                  |              |              |              |          |          |             |
| Element (X)                              |               | Σχ²        |       |        | z x         | <del></del>  | X                                                | ₹ F            | <u> </u> | No. Ol       | <u> </u>     | L        | <u> </u> | <u> </u>                                         | Mean                                             | l            | ours wie     | h Temperati  | ura      | Li       |             |
| Rel. Hum.                                |               |            | 5185  |        | 426         | 59           |                                                  | 20.9           | 25       |              | 29           | ≤ 0 (    | F        | ≤ 32 F                                           | ≥ 67                                             |              | 73 F         | = 80 F       | ≥ 93 f   | . 1      | otal        |
| Dry Bulb                                 |               | 173        | 8287  |        | 375         | 77           | 40.4                                             | 14.3           | 20       | á            | 30           |          |          | 25.6                                             |                                                  | •1           | <del></del>  | <del> </del> | 1        |          | 93          |

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| 4112<br>STATION | MAI  | .ms 11 | KUM . |       | MI/G           |                | FAL                                              | LS             |              | <u>68-</u> | 77                                               |              |                                                  | YE                                               | ARS                                    |         |      |            |          |          | AR                                               |
|-----------------|------|--------|-------|-------|----------------|----------------|--------------------------------------------------|----------------|--------------|------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------|---------|------|------------|----------|----------|--------------------------------------------------|
|                 |      |        |       |       |                |                |                                                  |                |              |            |                                                  |              |                                                  |                                                  |                                        |         |      | PAGE       | 1        | 1800     |                                                  |
| Temp.           |      |        |       |       |                |                |                                                  |                | RATURE       |            |                                                  |              |                                                  |                                                  |                                        |         |      | TOTAL      |          | TOTAL    |                                                  |
| (F)             | 0    | 1 - 2  | 3 - 4 | 5 - 6 | 7 - 8          | 9 - 10         | 11 - 12                                          | 13 - 14        | 15 - 16      | 17 - 18    | 19 - 20                                          | 21 - 22      | 23 - 24                                          | 25 - 26                                          | 27 - 28                                | 29 - 30 | ≥ 31 | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew P                                            |
| 66/ 65          | - 1  |        | - 1   |       |                |                |                                                  |                |              |            | 1                                                | • 1          |                                                  |                                                  |                                        |         |      | 1          | 1        |          |                                                  |
| 64/ 63          |      |        |       |       | İ              |                | <u>.                                    </u>     | <u> </u>       |              | .3         |                                                  |              | ļ                                                | ļ                                                |                                        |         |      | 3          | 3        |          | ]                                                |
| 62/ 61          |      | ĺ      |       |       |                |                |                                                  |                | •1           | . 1        |                                                  | 1            |                                                  |                                                  |                                        |         |      | 2          | 2        |          |                                                  |
| 60/ 59          | - }  | l      | ļ     |       |                |                | Į .                                              |                | .5           | .1         | .                                                | ļ            | ļ                                                |                                                  |                                        |         |      | 6          | 6        |          |                                                  |
| 58/ 57          |      |        |       |       |                |                | •1                                               | .6             | .3           | . 2        |                                                  |              |                                                  |                                                  |                                        |         |      | 12         | 12       |          |                                                  |
| 56/ 55          |      | •      | ļ     |       | İ              |                | .6                                               |                |              | . 1        |                                                  | İ            |                                                  |                                                  |                                        | -       |      | 16         | 16       |          |                                                  |
| 54/ 53          |      |        |       |       | ,1             | •1             |                                                  |                |              |            |                                                  | <b>†</b>     |                                                  |                                                  |                                        |         |      | 18         | 18       |          | <del>                                     </del> |
| 52/ 51          | 1    | 1      |       |       | ۳,۳            | . 8            |                                                  |                |              |            | 1                                                |              | ł                                                |                                                  |                                        | 1       |      | 24         | 24       | 1        | 1                                                |
| 50/ 49          |      |        |       |       | ,5             |                |                                                  |                | -            |            | <u> </u>                                         | <del> </del> |                                                  | <del> </del>                                     |                                        |         |      | 21         | 21       |          | +                                                |
| 48/ 47          | ]    |        |       | . 1   | 1.4            | 1.5            |                                                  |                |              |            |                                                  |              |                                                  |                                                  | 1                                      | İ       |      | 44         | 44       | 2        |                                                  |
| 46/ 45          | — †  |        | • 1   |       | 1 . 4          | 2,5            |                                                  |                | 1            |            | <del>                                     </del> | <del> </del> |                                                  | -                                                | <del></del>                            |         |      | 49         | 49       | 7        | <del> </del>                                     |
| 44/ 43          | i    | - 1    |       | .9    | 2 2            | 2,2            |                                                  |                |              |            | 1                                                | 1            | ł                                                |                                                  |                                        |         |      | 67         | 67       |          |                                                  |
| 42/ 41          |      | • l    | . 4   |       | 2 4            | 1.9            |                                                  | •1             |              | ⊢ –        | <del> </del>                                     | ├            | <del> </del>                                     |                                                  | -                                      |         |      |            | 62       | 24       |                                                  |
| 40/ 39          | ĺ    | • 2    | 1 3   | 1.0   |                |                |                                                  |                | İ            |            | 1                                                | 1            | 1                                                | 1                                                |                                        | - 1     |      | 62         |          | 35       |                                                  |
|                 |      |        | 103   | 2.3   |                |                |                                                  |                | ļ            |            | <b>├</b>                                         | ├──          | <b> </b>                                         | -                                                |                                        |         |      | 77         | 77       | 47       |                                                  |
| 38/ 37          | i    | • 1    | 1.0   | 2.0   |                |                | • 1                                              |                | i            |            | i                                                | i            | i                                                |                                                  |                                        | 1       |      | 57         | 57       | 72       | •                                                |
| 36/ 35          |      | • 1    | 1.3   | 1.8   | 1.9            |                |                                                  |                | ļ            |            | ļ                                                | <del> </del> |                                                  | ļ                                                |                                        |         |      | 56         | 56       | 73       |                                                  |
| 34/ 33          | ا    | • 5    | 1.7   | 1,3   |                |                | ·l                                               |                | ļ .          |            | İ                                                | j            | ł                                                |                                                  |                                        | - 1     |      | 49         | 49       | . 89     |                                                  |
| 32/ 31          | - 1  | 9      | 1.7   | 2.0   |                |                | <u> </u>                                         |                |              |            | <u> </u>                                         | <u> </u>     |                                                  | ļ                                                |                                        |         |      | 50         | 50       | 98       |                                                  |
| 30/ 29          |      | 1.4    | 2.5   | . 3   |                |                |                                                  | i              | Ī            |            | 1                                                | 1            | [                                                |                                                  |                                        | - 1     |      | 40         | 40       | 79       |                                                  |
| 28/ 27          |      | 1.8    | 1.9   | .6    | ,2             |                | <u> </u>                                         |                | <u> </u>     |            |                                                  |              |                                                  |                                                  |                                        |         |      | 43         | 43       | 91       |                                                  |
| 26/ 25          | •9   | 2.7    | 1.5   | • 2   | 1              |                |                                                  | 1              |              | 1          | İ                                                | 1            | Ì                                                |                                                  | i                                      |         |      | 49         | 49       | 66       |                                                  |
| 24/ 23          | . 4  | 2.0    | • 8   |       |                |                | <u> </u>                                         |                |              |            | l                                                | l            |                                                  |                                                  |                                        | - 1     |      | 30         | 30       | 52       |                                                  |
| 22/ 21          | . 4  | 2.5    | . 5   |       | ĺ              |                |                                                  |                |              |            |                                                  |              |                                                  |                                                  |                                        |         |      | 32         | 32       | 49       |                                                  |
| 20/ 19          | . 1  | 1.8    | - 1   |       | }              |                |                                                  |                |              |            |                                                  | 1            | ļ                                                |                                                  |                                        | - 1     |      | 19         | 19       | 27       |                                                  |
| 18/ 17          | .1   | 1.5    | • 1   |       | i              |                | †                                                | 1              | 1            |            |                                                  | <u> </u>     |                                                  | <del>                                     </del> |                                        |         |      | 16         | 16       | 21       |                                                  |
| 16/ 15          | 4    | 1.4    | - 7   |       |                |                |                                                  |                |              |            | 1                                                | 1            | ţ                                                |                                                  |                                        | l       |      | 17         | 17       | 19       |                                                  |
| 14/ 13          | 1.0  | .6     |       |       |                |                | <del> </del>                                     | <u> </u>       | 1            |            | 1                                                | †            | <del>                                     </del> |                                                  |                                        |         |      | 15         | 15       | 23       |                                                  |
| 12/ 11          | 5    | ·i     | H     |       | l              |                |                                                  |                |              |            |                                                  |              |                                                  |                                                  |                                        | ı       |      | 6          | 6        | 7        |                                                  |
| 10/ 9           | -3   | 7      | • 1   |       | -              |                | <del>                                     </del> | <del> </del>   | <del> </del> |            | <del> </del>                                     | <del> </del> | <del> </del>                                     |                                                  |                                        |         |      | 12         | 12       | 5        | <del>                                     </del> |
| 8/ 7            | • 2  | 4      | ▼ *   |       | 1              | •              |                                                  |                |              |            |                                                  | 1            | 1                                                | 1                                                |                                        |         |      | 8          |          | 12       |                                                  |
| 6/ 5            | - 27 | • 1    |       |       |                | <del> </del> - | —-                                               | <del> </del>   | <del> </del> |            | <del> </del>                                     | <del> </del> | <del></del>                                      |                                                  | <del>  </del>                          |         |      |            |          | 1        | -                                                |
|                 | • 4  |        |       |       | 1              |                |                                                  |                | [            |            |                                                  | 1            | [                                                |                                                  |                                        |         |      | .5         |          | · !      |                                                  |
| 2/ 1            | - 2  | •3     |       |       | <del></del>    | <del> </del>   | <del> </del> -                                   | <del> </del> - | <del>i</del> |            |                                                  | ┼            | <u> </u>                                         | <del> </del>                                     | <b></b>                                |         |      | 5          |          |          | <u> </u>                                         |
|                 | • 1  | • 2    |       |       |                |                | [                                                |                |              |            |                                                  | 1            | 1                                                |                                                  |                                        |         |      | 3          | 3        | 3        |                                                  |
| 0/1             |      |        |       |       | <u></u>        | <u></u>        | <u> </u>                                         |                | <u> </u>     |            | <u> </u>                                         | <u> </u>     | L                                                | 1                                                | لـــــــــــــــــــــــــــــــــــــ | لبب     |      | <u> </u>   | 1        | 3        | <u></u>                                          |
| Element (X)     |      | c X,   |       |       | z <sub>X</sub> |                | <u>X</u>                                         | <b>"</b> x     |              | No. O      | 18.                                              |              |                                                  |                                                  |                                        |         |      | h Temperat |          |          |                                                  |
| Rei. dum.       |      |        |       |       |                |                |                                                  | <u> </u>       |              |            |                                                  | ± 0          | F                                                | ≤ 32 F                                           | ≥ 67                                   | *       | 73 F | > 80 F     | ≥ 93 1   | F .      | Total                                            |
| Dry Bulb        |      |        |       |       |                |                |                                                  |                |              |            |                                                  |              |                                                  |                                                  |                                        |         |      | <u> </u>   | 1        |          |                                                  |
| Wet Bulb        |      |        | - 7   | _     |                | 1              |                                                  |                |              |            |                                                  |              |                                                  |                                                  |                                        |         |      | 1          |          |          |                                                  |

## **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME

MAR

PAGE 2

YEARS

1800-2000 HOURS (L. S. T.)

| Dew Point            |          | 38    | 9421         | -     | 172        | 49     | 18,5         | 8.6      | 49      |                                                  | 30           |         | .0      | 90.7         |                                              |          |                                                  | <del></del>  | +       |          | 9    |
|----------------------|----------|-------|--------------|-------|------------|--------|--------------|----------|---------|--------------------------------------------------|--------------|---------|---------|--------------|----------------------------------------------|----------|--------------------------------------------------|--------------|---------|----------|------|
| Ory Bulb<br>Wet Bulb |          | 120   | 2206<br>7327 |       | 265        | 87     | 34.5<br>28.6 | 9.6      | 91      |                                                  | 30           |         |         | 36,6<br>58,1 |                                              |          |                                                  |              | +-      |          | 9    |
| Rel. Hum.            |          | 323   | 2792         |       | 517<br>320 | 98     | 55.7         | 19.3     | 49      | 9                                                | 30           | = 01    |         | s 32 F       | ≥ 67                                         | F        | 73 F                                             | > 80 F       | × 93 1  | - 1      | otal |
| Element (X)          |          | ZX1   |              |       | ZX         |        | X            | <b>₹</b> |         | No. O                                            |              |         |         |              | Mean N                                       | lo. of H | ours wit                                         | Tempera      | lure    |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      |          |       |              |       | <u> </u>   |        |              |          |         | -                                                |              |         |         |              |                                              |          |                                                  |              | ļi      |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  | <br>         |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         | •        |      |
|                      |          |       |              |       |            |        |              |          |         | -                                                | <del> </del> |         |         |              |                                              |          | <del> </del>                                     | <del> </del> | <b></b> |          | •    |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              | <u>.                                    </u> |          |                                                  |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         | <del>                                     </del> |              |         |         |              |                                              |          | <del> </del>                                     |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      |          |       |              |       |            | ·      |              |          |         |                                                  |              |         |         |              |                                              |          | <u> </u>                                         |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              | <del> </del>                                 |          | -                                                |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         | -                                                |              |         |         |              |                                              |          | <del>                                     </del> |              | -       |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      | _        |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
|                      |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  | 930          |         | 930      |      |
| TAL                  | 6.6      | 20.4  | 15.5         | 12.6  | 17,7       | 12.7   | 9.1          | 2.7      | 1.7     | .9                                               |              | •1      |         |              |                                              |          | <u> </u>                                         |              | 930     |          | 93   |
| 4/-25                |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              | ļ                                            |          |                                                  |              | 1       |          |      |
| 6/-17                |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         |          |      |
| 2/-13                | •1       |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  | 1            | 1       | 1        |      |
| 0/-11                | •2<br>•1 | -     |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  | 2            | 2       | 2        |      |
| 8/ -9                | -1       |       |              |       |            |        |              |          |         | ļ                                                |              |         |         |              |                                              |          | ļ                                                | 1            | 1       | 1        |      |
| 6/ -7                |          |       |              |       |            |        |              |          |         |                                                  |              |         |         |              |                                              |          |                                                  |              |         | -        |      |
| 2/ -3                | • 4      | • 6   |              |       |            |        |              |          |         |                                                  |              | 1       |         |              |                                              |          |                                                  | 10           | 10      | 8 2      |      |
| (F)                  | 0        | 1 . 2 | 3 - 4        | 5 - 6 | 7 - 8      | 9 - 10 | 11 - 12      | 13 - 14  | 15 - 16 | 17 - 18                                          | 19 - 20      | 21 - 22 | 23 - 24 | 25 - 26      | 27 - 28                                      | 29 - 30  | ≥ 31                                             |              |         | Wet Bulb |      |
| Temp.                |          |       |              |       |            |        | BULB         |          |         |                                                  |              |         |         |              |                                              |          |                                                  | TOTAL        | ,       | TOTAL    |      |

#### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 58/ 57 56/ 55 . 1 54/ 53 • 1 1.0 49 .5 13 13 50/ 48/ 47 16 16 29 46/ 45 39 39 43 37 37 17 42/ 41 .2 1.2 .6 1.8 1.1 3.2 39 56 56 40/ 23 67 37 67 38/ 1.9 46 1.8 1.8 36/ 35 82 82 53 34/ 33 , 8 60 60 10. 60 96 31 60 30/ 29 68 68 27 69 99 69 28/ 2.3 3.2 3.9 25 1.8 46 46 26/ 23 53 76 53 84 24/ 41 41 59 22/ 21 103 33 33 20/ 19 46 1.3 17 90 18/ 17 17 95 16/ 22 26 13 26 22 14/ 39 12/ 8 12 10/ 10 8/ 6/ 5 4/ 3 2/ 0/ -1 -2/ • 1 3 -4/ -5 -6/ -7 -8/ -9 Element (X) Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wet Bulb

ELVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLLTE

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OLM 0.26.5 (O) A) HYSED

SAFETAC

Dew Point

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Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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383054

#### **PSYCHROMETRIC SUMMARY**

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93.

24112 MALMSTROM AFB MT/GREAT FALLS PAGE 2 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 25 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Sulb | Wer Bulb | Dew Point -10/-11 -12/-13 -14/-15 2 2 2 -16/-17 -18/-19 20/-21 -22/-23 -26/-27 -28/-29 11.527.517.620.114.6 5.6 2.3 930 930 930 930 Element (X) No. Obs. Mean No. of Hours with Temperature

930

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930

9393

20F

2.8

≤ 32 F

50,6 71,3 91.0

63.817.066 29.912.170

25.9 9.804

59318

27844

24063

16852

#### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS 68-77 ALL PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 22 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 70/ 69 •0 •1 68/ 67 .0 66/ 65 14 14 •0 •0 64/ 63 .3 52 52 .0 43 •1 43 62/ 61 . 1 58 58 60/ 59 58/ 57 • 100 100 56/ 55 113 113 54/ 53 126 126 . 6 147 147 52/ 51 50/ 49 48/ 47 164 164 16 .5 278 278 60 .385 385 46/ 45 • 1 1.5 1,7 1.2 67 1,5 347 1.0 .347 44/ 43 1.1 169 .7 •0 .367 367 1.2 •5 228 42/ 41 1.2 1.8 2.1 440 40/ 39 1.2 440 326 446 .381 38/ 37 1.0 1.4 381 •0 • 6 Š3<u>9</u> 36/ 35 .0 .423 423 585 91 456 34/ 33 456 422 161 32/ 31 422 682 363 .390 390 704 30/ 29 1.6 627 **5Ž3** 28/ 27 421 421 652 26/ 25 2.8 374 374 526 308 308 660 24/ 23 22/ 2.5 284 284 365 701 21 • 6 745 20/ 19 246 246 2.2 314 .5 1.5 .3 1.2 18/ 17 156 156 211 687 119 119 623 145 14/ 13 1.2 - 1 144 144 153 461 127 127 12/ 11 1.1 .0 135 1.0 124 125 390 .0 124 10/ 8/ 72 72 104 6/ 5 46 46 146 59 48 48 Element (X) Meen No. of Hours with Temperature Rel. Hum.

FORM 0.26-5 (OLA) REVISED MEVICUS EDITIONS OF

Dry Bulb Wei Bulb Dew Point DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

24112 MALMSTROM AFB

Temp
(F) 0 1 2 3 4 5 6

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| 112        | MA         | LMST              | ROM .    |              | MT/GH                                            |          | FAL         | LS           |               | 68-          | 77                                               |           |        |           |            |              |                                                  |          |           | AR               |
|------------|------------|-------------------|----------|--------------|--------------------------------------------------|----------|-------------|--------------|---------------|--------------|--------------------------------------------------|-----------|--------|-----------|------------|--------------|--------------------------------------------------|----------|-----------|------------------|
| STATION    |            |                   |          | 51           | TATION NA                                        | ME       |             |              |               |              |                                                  |           |        | YE        | ARS        |              |                                                  |          |           | NTH              |
|            |            |                   |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           |            |              | PAG                                              | : 2      | HOURS (   |                  |
| Temp       |            |                   |          |              |                                                  | WET      | BULB 1      | EMPER        | ATURE         | DEPR         | SSION (                                          | F)        |        |           |            |              | TOTAL                                            |          | TOTAL     |                  |
| (F)        | 0          | 1 • 2             | 3 - 4    | 5 - 6        | 7 - 8                                            | 9 - 10   | 11 - 12     | 13 - 14      | 15 - 16       | 17 - 18      | 19 - 20                                          | 21 - 22   | 23 - 2 | 4 25 - 26 | 27 - 28 29 | - 30 ≥ 31    | D.B./W.B.                                        | Dry Bulb | Wet Bulb  | Dew P            |
| 2/ 1       | . 3        | • 3               |          |              |                                                  |          |             |              |               |              | i                                                |           |        |           |            |              | 50                                               | 50       | 45        | 8                |
| 0/ -1      | • 3<br>• 7 |                   |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           | į          |              | 61                                               | 62       | 70        | 4                |
| 2/ -3      | • 3        | .3                |          |              | ĺ                                                |          |             |              |               |              |                                                  |           |        |           |            |              | 5.0                                              | 39       | 38        | 4                |
| 4/ -5      | .1         | • 1               |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           |            |              | 14                                               | 15       | 20        | ]3               |
| 6/ -7      | • 2        | • 1               |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           |            |              | 20                                               | 20       | 22        |                  |
| 8/ -9      | • 1        | •0                |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           |            |              | 7                                                | 7        | 9         | 4                |
| 0/-11      | . 2        |                   |          |              | 1 1                                              |          |             |              |               |              |                                                  | . 1       |        | 1 1       | İ          |              | 13                                               | 13       | 13        |                  |
| 2/-13      | . 2        |                   |          |              | <u> </u>                                         |          |             |              |               |              |                                                  |           |        |           |            |              | 13                                               | 13       | 13        |                  |
| 4/-15      | . 2        |                   |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           | .          |              | 14                                               | 14       | 14        |                  |
| 6/-17      | .1         |                   |          |              | ⊦                                                |          |             |              |               |              |                                                  |           |        |           |            |              | 4                                                | 4        | 4         | 1                |
| 8/-19      | .1         |                   |          |              | 1 1                                              |          |             |              |               |              |                                                  |           |        |           |            |              | 6                                                | 6        | 6         | 7                |
| 0/-21      | •0         |                   |          |              | <b>  </b>                                        |          |             |              |               |              | <del> </del>                                     |           |        |           |            |              | 2                                                | 2        |           | <del>  _ ,</del> |
| 2/-23      | • 0        |                   | '        | •            |                                                  |          |             |              |               |              |                                                  |           |        | 1.        |            |              | 2                                                | 2        | 2         |                  |
| 6/-27      |            |                   |          |              | <del>                                     </del> |          |             |              |               |              | <del> </del> -                                   |           |        | 1-1       |            | <del></del>  |                                                  |          | <b>  </b> | <del> </del>     |
| 5/=29      |            |                   |          |              | 1 1                                              |          |             |              |               |              |                                                  |           |        |           |            |              |                                                  |          |           |                  |
| 0/-31      |            |                   | -        |              | <del>                                     </del> |          |             |              |               | <del> </del> | <del>                                     </del> |           |        |           |            |              | ļ                                                |          |           | <del></del>      |
| 2/-33      |            |                   |          |              |                                                  |          |             |              |               | İ            |                                                  |           |        |           | 1          |              |                                                  |          |           |                  |
|            | 10         | 24.4              | 16.2     | 14.6         | 11.4                                             | 8.6      | 6.6         | 3.9          | 2.2           | 1.2          | .4                                               | •1        | ,(     | 0.        |            | _            | 1                                                | 7440     |           | 743              |
| 7:         |            | - · · ·           |          | ,,,,         | • • •                                            |          | •••         | • •          |               | •••          | "                                                | * -       | •      | ן יין     | - 1        |              | 7438                                             |          | 7438      | ' ' '            |
| 1          |            |                   |          | !<br>!       |                                                  |          |             |              |               |              |                                                  |           |        | 1 1       |            |              | 1                                                |          |           |                  |
| ]          |            |                   |          |              | 1 1                                              |          | ļ           |              |               |              |                                                  |           |        |           | - 1        |              |                                                  |          |           | ļ                |
|            |            |                   |          |              |                                                  |          | l           |              |               |              |                                                  |           |        |           |            |              |                                                  |          |           |                  |
|            | ·          |                   |          |              |                                                  |          |             |              |               |              |                                                  |           |        |           |            |              | <u> </u>                                         |          |           |                  |
|            |            |                   |          |              |                                                  |          | [           |              |               |              |                                                  | i 1       |        | i         |            |              |                                                  |          |           |                  |
|            |            |                   |          | ļ            |                                                  |          |             |              |               |              | <u> </u>                                         |           |        |           |            |              |                                                  |          | اــــــا  | <u> </u>         |
|            |            |                   |          | ]            |                                                  |          | 1           |              |               |              | Į                                                |           |        |           |            |              |                                                  |          |           |                  |
|            |            |                   | ļ        | ļ            |                                                  |          | <del></del> |              | -             | <u> </u>     | ļ                                                |           |        | -         |            |              | <u> </u>                                         |          |           | <del> </del>     |
| ]          |            |                   |          |              | [                                                |          |             |              | W             |              | <b>.</b>                                         |           |        | -         |            | ļ            |                                                  |          |           |                  |
|            |            |                   |          | -            | <del>  </del>                                    | <u> </u> |             |              | <u> </u>      | <del> </del> | ├                                                |           |        |           |            |              | -                                                |          |           | <del> </del> -   |
|            |            |                   |          |              | ] ]                                              |          |             |              |               | 1            |                                                  |           |        |           |            | 1            |                                                  |          | '         |                  |
|            |            | <del> </del>      |          | <del> </del> | ├                                                |          |             | <del> </del> | <del></del>   |              | <del> </del>                                     | <u>  </u> |        |           |            |              | <del> </del>                                     |          |           | <del> </del>     |
| i          |            |                   |          |              | 1 1                                              |          |             |              |               | 1            | 1                                                | -         |        | į i       | j          | i            | 1                                                |          |           |                  |
| lement (X) |            | Zx2               | <u> </u> | <del></del>  | z <sub>x</sub> -                                 |          | X           | ₹ e          | <del></del>   | No. O        | J                                                | لب سا     | -      |           | Henn No    | of House wi  | th Tempera                                       | lute.    |           | <u></u>          |
| el. Hum.   |            | :                 | 1441     |              | 4397                                             | 27       |             | 20.3         | 35            |              | 38                                               | ± 0 1     |        | ± 32 F    | ≥ 67 F     | ≥ 73 F       | > 80 F                                           | ≥ 93     | F T       | Total            |
| ry Bulb    |            | ~ <del>ģ</del> ģģ | 9715     |              | 2421                                             | 63       | 32.3        | 14.2         | 83            |              | 40                                               |           |        | 352.8     | 1.8        |              | +                                                | 1 - 7    |           | 7/               |
| et Bulb    |            |                   | 9130     |              | 2025                                             | 56       | 27.2        | 10.7         | 10            | 74           | 38                                               | 21        | . 3    | 500,3     |            | 1            | <del>                                     </del> | -        |           | 7                |
| ew Point   |            |                   | 3618     |              | 1338                                             | 28       | 18.0        | 9.4          | <del>71</del> | 74           | 38                                               | 35        | . 5    | 727.4     |            | <del> </del> |                                                  | 1        |           | 7                |

Wet Bulb Dew Point

| STATION               | MA             | LIISI | KLII. | 51         | ATION H | REAT | FALI   | - 3      |       | . <u>.</u> 8- | 11                                               |                                                  |                 | Yε       | ARS     |          |          |            |          | MOI      | PR            |
|-----------------------|----------------|-------|-------|------------|---------|------|--------|----------|-------|---------------|--------------------------------------------------|--------------------------------------------------|-----------------|----------|---------|----------|----------|------------|----------|----------|---------------|
|                       |                |       |       |            |         |      |        |          |       |               |                                                  |                                                  |                 |          |         |          |          | PAGE       | 1 .      | 0000-    |               |
| Temp.                 |                |       |       |            |         | WET  | BULB T | EMPER    | ATURE | DEPR          | ESSION (                                         | (F)                                              |                 |          |         |          |          | TOTAL      |          | TOTAL    |               |
| (F)                   | 0              | 1 . 2 | 3 - 4 | 5 - 6      | 7 - 8   |      |        |          |       |               |                                                  | 21 - 22 2                                        | 23 - 24         | 25 - 26  | 27 - 28 | 29 - 30  | ≥ 31     | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew P         |
| 2/ 61                 |                |       |       |            |         |      |        | .1       |       |               | 1                                                | <del>                                     </del> |                 |          |         |          |          | 1          | 1        |          |               |
| )/ 59                 |                |       |       |            |         | • 1  |        | _        |       | 1             |                                                  |                                                  |                 |          | 1       |          |          | 1          | 1        |          |               |
| 1/ 57                 |                |       | T     |            |         | • 1  | • 1    | . 3      |       |               |                                                  |                                                  |                 |          |         |          |          | 5          | 5        |          |               |
| / 55                  |                |       |       |            | • 1     | , 4  | . 3    | . 3      |       |               |                                                  | <u> </u>                                         |                 |          |         |          |          | 11         | 11       |          |               |
| / 53                  | l              | l     |       |            |         | • 6  | .4     | .3       | • 1   |               |                                                  |                                                  |                 | ļ        |         |          |          | 13         | 13       |          |               |
| / 51                  |                |       |       | . 1        | , 3     | .6   | . 8    |          |       |               |                                                  | l                                                |                 |          |         |          |          | 16         | 16       |          |               |
| / 49                  |                |       | I     | • 2        | • 9     | 1.4  | .4     | • 1      |       |               |                                                  |                                                  | -               |          |         |          |          | 28         | 28       | 2        |               |
| / 47                  |                |       | • 2   | • 3        | 1.3     |      | . 8    |          |       | <u> </u>      |                                                  | <u> </u>                                         |                 |          |         |          | <u> </u> | 29         | 29       | 3        |               |
| / 45                  |                | • 1   | • 1   | .4         | 1.8     |      | .4     |          |       |               | 1                                                |                                                  |                 |          |         |          | l        | 42         | 42       | 11       |               |
| / 43                  |                | • 2   | 1.0   | 2.2        | 1,6     |      |        |          |       |               | ļ                                                |                                                  |                 |          |         |          |          | 49         | 49       | 19       |               |
| / 41                  | ļ              | • 4   | - 4   | 2.7        | 2,3     |      |        |          |       |               |                                                  |                                                  |                 |          |         |          |          | 54         | 54       | 30       |               |
| / 39                  |                | • 7   | 2.4   | 3.0        | 2,8     | ,1   |        |          |       |               |                                                  | ļļ.                                              |                 | <u> </u> |         |          |          | 81         | 81       | 53       |               |
| 37                    | • 1            | • 9   | 3.7   | 2.9        | 1,9     | •2   | Ì      |          |       |               |                                                  |                                                  |                 |          |         |          |          | 87         | 87       | 66       |               |
| / 35                  | <del>,•3</del> | 2.2   | 2.7   | 2.8        | • 9     |      |        |          |       |               | <del> </del>                                     |                                                  |                 |          |         |          |          | 81         | 81       | 108      |               |
| / 33                  | 1.0            | 3.4   | 1     | 3.3        | • 3     |      | İ      |          |       |               | 1                                                |                                                  |                 |          |         |          | ĺ        | 98         | 98       | 119      | - <del></del> |
| 2/ <u>31</u><br>2/ 29 | - + + +        | 404   |       | 1.0        | , 2     |      |        |          |       | ļ             | <del> </del>                                     | <del>   </del>                                   |                 |          |         |          |          | 81         | 81       | 108      | •             |
|                       | • /            | 1.4   | 1.8   | 1.0<br>1.4 |         |      |        |          |       |               |                                                  |                                                  |                 |          |         |          |          | 46         | 46       | 117      | 1             |
| 7 27                  | <u>. 6</u>     | 2.2   |       |            |         |      |        |          |       | <del> </del>  | <del>                                     </del> | <del>                                     </del> |                 |          |         |          |          | 54         | 54<br>43 | 70       | 1             |
| / 23                  | . 6            | 1.2   | 1     | • 1        |         |      | i      |          |       |               |                                                  |                                                  |                 |          |         |          |          | 43         | 17       | 47<br>47 |               |
| / 21                  | . 2            | 1.0   | • 1   |            |         |      |        |          |       | <del></del>   | <del> </del>                                     | <del> </del>                                     |                 |          |         |          | <u> </u> | 12         | 12       | 39       |               |
| 7 19                  | . 2            | . 9   | . 2   |            |         |      | I      |          |       | ŀ             | 1                                                |                                                  |                 |          |         |          |          | 12         | 12       | 17       |               |
| 3/ 17                 | .8             | . 8   | . 1   |            |         |      |        |          |       | <del> </del>  | <del> </del>                                     | <del>                                     </del> |                 |          |         |          |          | 15         | 13       | 11       |               |
| 5/ 15                 | . 4            | .3    | -     | :          |         |      |        |          |       |               | 1                                                |                                                  |                 |          |         |          |          | 7          | 7        | 15       |               |
| 1/ 13                 | -              | 2     |       |            |         |      |        |          |       | <del> </del>  | t                                                |                                                  |                 |          |         |          |          | 2          | 2        | 3        |               |
| 2/ 11                 | , 3            | , ,   |       |            |         |      | -      |          |       |               |                                                  |                                                  |                 |          |         |          |          | 3          | 3        | 3        |               |
| 0/ 9                  | -3             |       |       |            |         |      |        |          |       |               | <b>1</b>                                         |                                                  |                 |          |         |          |          | 3          | 3        | 3        |               |
| 3/ 7                  | . 2            |       |       |            |         |      |        |          |       |               |                                                  |                                                  |                 |          |         |          |          | 2          | 2        | 2        |               |
| 5/ 5                  | . 2            | • 1   |       |            |         |      |        |          |       |               |                                                  |                                                  |                 |          |         |          |          | 3          | 3        | 2        |               |
| / 3                   | • 1            |       |       |            |         |      |        |          |       |               | <u></u>                                          |                                                  |                 |          |         |          | L        | 1          | 1        | 2        |               |
| 2/ 1                  |                | l     |       |            |         |      |        |          |       |               |                                                  |                                                  |                 |          |         |          |          |            |          |          |               |
| 0/ -1                 |                |       |       |            |         |      |        |          |       |               | ļ                                                |                                                  |                 |          |         |          | <u> </u> | 1          |          |          |               |
| 5/ -7                 | . 2            |       |       |            |         |      |        |          |       |               |                                                  | 1 T                                              |                 |          |         |          |          | 2          | 2        | 2        |               |
| 3/ -9                 |                | لببا  |       |            | <u></u> |      |        |          |       | <u>L</u>      | <u> </u>                                         | <u> </u>                                         |                 |          | ]       |          | L        | 1 1        | 1        | 1        | <u></u>       |
| ment (X)              |                | Σχ'   |       |            | z x     |      | X      | <b>₹</b> | _ _   | No. O         | )s.                                              |                                                  |                 |          |         |          |          | h Temperat |          |          |               |
| . Hum.                |                |       |       |            |         |      |        |          |       |               |                                                  | ±0 F                                             | <del>-  :</del> | 32 F     | ≥ 67    | <u> </u> | 73 F     | > 80 F     | ≥ 93 F   |          | Total         |
| Bulb                  |                |       |       |            |         |      |        |          |       |               |                                                  |                                                  | L               |          |         | - 1      |          | 1          |          | - 1      |               |

## PSYCHROMETRIC SUMMARY

2412 MALMSTROM AFB MT/GREAT FALLS 68-77
STATION STATION NAME

PAGE 2 0000-0200
HOURS (L. S. T.)

| Temp        |              |                                                  |              |                                                  |                |                                                  |                                                  |                                                  |                                                  |                                                  | SSION (                                          |              |              |                                                  |                |              |                                                  | TOTAL          |              | TOTAL          |                 |
|-------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|----------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|--------------------------------------------------|----------------|--------------|--------------------------------------------------|----------------|--------------|----------------|-----------------|
| (F)         | 0            | 1 - 2                                            | 3 - 4        | 5 - 6                                            | 7 - 8          | 9 - 10                                           | 11 - 12                                          | 13 - 14                                          | 15 - 16                                          | 17 - 18                                          | 19 - 20                                          | 21 - 22      | 23 - 24      | 25 - 26                                          | 27 - 28        | 29 - 30      | ≥ 31                                             | D.B./W.B.      | Dry Bulb     | Wet Bulb       | Dew Pou         |
| 10/-11      |              | i ——                                             |              |                                                  |                |                                                  |                                                  |                                                  | I                                                |                                                  |                                                  |              |              | 1                                                |                |              |                                                  |                |              | ĺ              | 1               |
| -14/-15     |              |                                                  |              |                                                  |                |                                                  | ļ                                                | ļ                                                | 1                                                | ļ                                                |                                                  |              | i            |                                                  | ĺ              |              | 1                                                |                | İ            |                | 1               |
| TOTAL       | 8.2          | 22.3                                             | 22.2         | 21.6                                             | 14.4           | 6.6                                              | 3.3                                              | 1.2                                              | •1                                               | i                                                |                                                  |              |              | T                                                |                |              |                                                  |                | 900          |                | 900             |
|             | •            |                                                  |              | 1                                                | `              | , i                                              | 1                                                |                                                  |                                                  | 1                                                |                                                  |              | İ            |                                                  |                |              | ļ                                                | 900            |              | 900            | ļ               |
|             |              |                                                  |              |                                                  | l              |                                                  |                                                  | 1                                                |                                                  | i                                                | i                                                |              |              | <del> </del>                                     |                | 1            |                                                  |                |              | 1              | i               |
| ,.          |              | ļ                                                |              |                                                  | ļ              |                                                  |                                                  |                                                  | 1                                                | l                                                | į į                                              |              |              |                                                  |                | ļ            |                                                  |                | ĺ            |                |                 |
|             |              | <del>                                     </del> |              |                                                  | 1              |                                                  |                                                  |                                                  | 1                                                | <del>                                     </del> |                                                  |              |              |                                                  |                | 1            |                                                  |                |              |                |                 |
| 1           |              | 1                                                | İ            |                                                  |                | l                                                |                                                  | l                                                |                                                  | İ                                                |                                                  |              |              | İ                                                | •              | 1            | 1                                                | !              |              |                | l               |
|             | ············ | <del>                                     </del> | <del> </del> | <del>                                     </del> |                |                                                  |                                                  |                                                  | <del>                                     </del> |                                                  | <del> </del>                                     |              | l            | 1                                                |                |              | 1                                                |                |              |                |                 |
| 1           |              | 1                                                |              |                                                  |                |                                                  |                                                  | Ì                                                | [                                                |                                                  |                                                  |              |              | i                                                | }              |              | 1                                                |                |              |                |                 |
|             |              | <del> </del>                                     | <del> </del> | <del> </del>                                     | <del> </del>   | <del>                                     </del> | 1                                                | <del>                                     </del> | 1                                                | <del>                                     </del> | 1                                                |              |              | <del>                                     </del> |                | <u> </u>     | 1                                                | 1              |              |                |                 |
| i           |              |                                                  | 1            | !                                                | 1              | <u> </u>                                         | 1                                                |                                                  |                                                  | ļ                                                |                                                  | l            |              |                                                  |                |              | ł                                                |                | l            | l              | ĺ               |
|             |              |                                                  | i            | <del> </del>                                     | <del> </del>   |                                                  | <del>                                     </del> | <del> </del>                                     | ····                                             |                                                  | <del> </del>                                     |              |              | <del> </del>                                     |                | <del> </del> | <del> </del>                                     | <del>   </del> |              | <del> </del> - | <del> </del>    |
|             |              | Ì                                                | ļ            | }                                                | ļ              | 1                                                | i                                                |                                                  |                                                  |                                                  |                                                  |              |              |                                                  |                | 1            |                                                  | 1 7            | {            | ļ              |                 |
| <del></del> | ····         | <del> </del>                                     | <del> </del> | <del> </del>                                     | <del> </del>   |                                                  | <del> </del>                                     | <del>                                     </del> | 1                                                | <del>                                     </del> |                                                  | <del> </del> | _            | <del>                                     </del> |                | <del> </del> | <del>                                     </del> | <del> </del>   | <del></del>  | <u> </u>       |                 |
| 1           |              | 1                                                |              | 1                                                |                |                                                  |                                                  | 1                                                |                                                  |                                                  |                                                  |              |              |                                                  |                | l            | ļ                                                |                |              |                |                 |
|             |              | <del>}</del>                                     | <del> </del> | <del> </del>                                     | <del> </del>   | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     |                                                  |              |              | <del> </del>                                     | <del> </del> - | <del> </del> | <del> </del>                                     | <del> </del>   | <del> </del> | <del> </del>   | <del> </del>    |
|             |              | ļ                                                | 1            | Ì                                                |                | i                                                | l                                                |                                                  | 1                                                | ŀ                                                |                                                  |              |              |                                                  |                |              | İ                                                |                | 1            | Ì              |                 |
|             |              | <del> </del>                                     | <del> </del> |                                                  |                |                                                  | <del> </del> -                                   |                                                  |                                                  |                                                  | <del> </del>                                     | <del> </del> |              | <del> </del>                                     | <del> </del>   |              | ┼ -                                              | <del> </del>   | <del></del>  | <del> </del>   | <del> </del>    |
|             |              | }                                                |              | 1                                                | ļ              | 1                                                | 1                                                | ŀ                                                |                                                  |                                                  |                                                  | İ            |              | ŀ                                                |                | 1            |                                                  |                |              |                |                 |
|             |              | <del> </del>                                     | ļ            | <del> </del>                                     | <del> </del>   |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | ├                                                |              |              | <del> </del>                                     | <del> </del>   | <del> </del> | <del> </del>                                     | <del> </del>   | <del> </del> |                | <del> </del>    |
|             |              | 1                                                | 1            | 1                                                | }              |                                                  | 1                                                | 1                                                | 1                                                | 1                                                | 1                                                |              | l            | 1                                                |                | ļ            |                                                  |                |              |                |                 |
|             |              | <del> </del>                                     | <del> </del> | <del> </del>                                     | ╁──            | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     |              | <del> </del> | <del> </del>                                     | ├              | ├            | <del> </del>                                     | <del> </del>   |              | <del> </del> - |                 |
|             |              | j                                                | ì            |                                                  | i              | i                                                |                                                  | 1                                                | 1                                                | Ì                                                |                                                  |              |              |                                                  | i              | i            | İ                                                | 1              |              | 1              | İ               |
|             |              | <del> </del>                                     |              |                                                  | <del> </del>   | ļ <u>.</u>                                       | <del> </del>                                     | <del> </del>                                     | <del> </del> -                                   | <del> </del>                                     | <del> </del>                                     | <del> </del> | ļ            |                                                  | <del> </del>   | <del> </del> | ┼                                                | <del> </del>   | г            | <del> </del>   | <del> </del>    |
|             |              | 1                                                | ł            | i                                                | 1              |                                                  | 1                                                | 1                                                | ł                                                |                                                  |                                                  | 1            |              | 1                                                |                |              |                                                  |                |              |                |                 |
|             |              | ļ                                                | <del> </del> | ļ                                                | <del> </del>   | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | ļ            | ļ            | <del> </del>                                     | <del> </del> - |              | <del>!</del>                                     | <del> </del>   | <del> </del> | <del> </del>   | <del> </del>    |
| 1           |              | İ                                                |              |                                                  | 1              | 1                                                |                                                  | ļ                                                | 1                                                | 1                                                |                                                  | l            | 1            | 1                                                | ł              | 1            | 1                                                |                |              | ļ              | 1               |
|             |              | ļ                                                | <del> </del> | <del> </del>                                     | <del> </del>   | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> |                                                  | ₩-                                               | <del>                                     </del> |              | <del> </del> | <del> </del> -                                   | <u> </u>       | <del> </del> | <del> </del>                                     | +              | <del> </del> | <del> </del>   | <del> </del>    |
|             |              |                                                  | 1            |                                                  | Į.             | 1                                                |                                                  | 1                                                | 1                                                | 1                                                |                                                  |              | į .          |                                                  | 1              |              | 1                                                |                |              | ĺ              |                 |
|             |              | <del> </del>                                     | <del> </del> | ļ                                                | ļ              | <u> </u>                                         | <del> </del> _                                   | ļ                                                | <del> </del>                                     | <del> </del>                                     | ļ                                                | ļ            | ļ            |                                                  | <b> </b>       | <del> </del> | <del> </del>                                     | <del> </del>   | <b>├</b> ──  | <del> </del>   | <del> </del>    |
|             |              | 1                                                | 1            |                                                  | İ              | [                                                | 1                                                |                                                  | 1                                                |                                                  | 1                                                | 1            | 1            |                                                  |                |              | 1                                                |                | i            | 1              |                 |
|             |              | ļ                                                | <del> </del> | <del> </del>                                     | ļ              | <del> </del>                                     | <del> </del>                                     | ļ                                                | <u> </u>                                         | <b> </b>                                         | <del> </del> -                                   | ļ            | ļ            | <del> </del> -                                   | <u> </u>       | ļ            |                                                  | ┼              | ļ            | ļ              | ļ               |
|             |              |                                                  |              |                                                  |                |                                                  |                                                  |                                                  |                                                  |                                                  | 1                                                |              |              |                                                  |                |              |                                                  |                |              |                | [               |
|             |              | <u> </u>                                         | <u> </u>     | <del> </del>                                     | <u>L</u>       | <del></del>                                      | <u> </u>                                         | ļ                                                | ٠                                                | 1                                                | <u></u>                                          | 1            | <u></u>      | ┸                                                | L              | <u> </u>     | <u></u>                                          | 1 7            | <u> </u>     | <u> </u>       | <u> </u>        |
| Element (X) | <del></del>  | Σχ2                                              |              |                                                  | z <sub>X</sub> | 4.2                                              | X                                                | 1 7                                              | 70.2                                             | No. O                                            |                                                  |              |              | - 30 F                                           | Mean<br>≥ 6    |              | ours wit                                         | th Tempera     | 2 93         | -              | Total           |
| Rel. Hum.   |              | 404                                              | 10670        | <del> </del>                                     | 581<br>320     | 202                                              | 35.                                              | 74 (9                                            | 163                                              | 7                                                | 00                                               | ± 0          | <u>-</u>     | 30 4                                             |                |              | * /3 P                                           | > 80 F         | - 73         |                | 9(              |
| Dry Bulb    |              | 160                                              | 23002        | <u> </u>                                         | 280            | 173                                              | 330                                              | 703                                              | 22                                               |                                                  | 200                                              |              | • 3          | 48,9                                             | <del> </del>   |              |                                                  |                |              |                | <del>- 6</del>  |
| Wet Bulb    |              | 7                                                | 1919         | <u> </u>                                         | 214            |                                                  | 240                                              | 7.                                               | 126                                              |                                                  | 00                                               |              | .3           | 82.2                                             | <u> </u>       |              |                                                  |                |              |                | <del> 9</del> 6 |
| Dew Point   |              | 21                                               | 53220        | )i                                               | 714            | ) / Z                                            | ( A A )                                          | 71 / 42                                          | 776                                              | , ,                                              | 713A)                                            |              | A = 1        | M 4 4 2                                          | 1              |              |                                                  | 1              | 1            |                | 7(              |

# **PSYCHROMETRIC SUMMARY**

| STATION          | MA          | LMST  | ROM   | AFB<br>S1 | MT/G         | REAT         | FAL          | LS           |                                                  | 68-          | 77           |               | <del></del> . | YC       | AR5        | <del></del> | PAGE               | 1           |                   | PR<br>HTH<br>-050 |
|------------------|-------------|-------|-------|-----------|--------------|--------------|--------------|--------------|--------------------------------------------------|--------------|--------------|---------------|---------------|----------|------------|-------------|--------------------|-------------|-------------------|-------------------|
| <del></del>      |             |       |       |           |              |              |              |              |                                                  |              |              |               |               |          |            |             | T                  |             | HOURS (           |                   |
| Temp<br>(F)      | 0           |       | 3 - 4 | 5 - 6     | 7 - 8        |              |              |              |                                                  | DEPRE        |              |               | 02 0          | 1106 00  | 27 - 28 29 | - 30 = 31   | TOTAL<br>D.B./W.B. | Des Bulls   | TOTAL<br>Wet Bulb | Daw P             |
|                  |             | 1 . 2 | 3 - 4 | 3 - 6     | / - 8        | 9 - 10       | 11 - 12      |              | 13 - 10                                          | 17 - 18      | 19 . 20      | 21 - 22       | 23 . 2        | 23 - 20  | 21 - 28 29 | - 30 2 31   | 1                  | 1           | WEL DOID          | -                 |
| 60/ 59           |             |       |       |           | 1            | ١,           |              | •1           | ľ                                                | 1            |              | i (           |               | 1        |            |             |                    | i           |                   | 1                 |
| 58/ 57           | <del></del> |       |       |           | <del> </del> |              | ·            |              | <del> </del>                                     | <del> </del> |              | <del>  </del> |               |          |            |             | 2                  | 2           |                   |                   |
| 56/ 55           |             |       | j     |           | 1            | •1           |              | ,            |                                                  |              |              |               |               |          | ľ          |             | 5                  | 5           |                   |                   |
| 54/ 53           | ····        |       |       |           | <del></del>  | •3           | <del></del>  | • 1          |                                                  | <del> </del> | <del> </del> |               |               |          |            | <del></del> | 10                 | 10          |                   |                   |
| 52/ 51           |             |       |       | ٠,        | 1 *5         | • 4          |              |              |                                                  | 1            |              |               |               |          |            |             |                    | 17          |                   |                   |
| 50/ 49           |             |       |       |           | 1 9 2        | .7           |              |              | <del> </del>                                     |              |              |               |               |          |            |             | 17                 | 27          |                   | <del> </del>      |
| 48/ 47           |             |       | • Ţ   | .8        |              | •9           | •4           |              |                                                  | 1            |              | 1 1           |               |          |            |             | 27                 |             | 1                 | 1                 |
| 6/ 45            |             | -     | • 2   |           |              |              |              | <del> </del> |                                                  |              |              |               |               |          |            |             | 41                 | 41          | 3                 | <del> </del>      |
| 44/ 43           |             | • 1   | • 6   | 1.2       | 1.3          | •7           | Ί            |              | 1                                                |              |              | ]             |               |          |            |             | 35                 | 35<br>47    | 10                | 1                 |
| 2/ 41            | <u> </u>    | . 8   | •6    |           | 1.8          |              | <del> </del> | ļ            | <del> </del>                                     |              | ļ            |               |               |          |            |             | 47                 |             | 27                | <del> </del>      |
| 0/ 39            |             | .6    | 2.1   | 3.0       | 1.7          | • 3          | 1            | i            |                                                  | ŀ            |              |               |               |          |            |             | 69                 | 69          | 40                | 1                 |
| 38/ 37           | • 6         |       | 2.1   | 2.8       |              |              | <b> </b>     | <del> </del> | <del>                                     </del> |              | <del> </del> |               |               |          |            |             | 99                 | 68<br>99    | 59                | -                 |
| 36/ 35           | . 3         |       |       |           |              |              | 1            | 1            | ì                                                | 1            | 1            |               |               |          |            |             |                    |             | 85                |                   |
| 34/ 33           | <u>• 1</u>  |       | 5.2   |           | <del></del>  | <del> </del> | <del> </del> |              | ļ                                                | <del> </del> | <b></b>      |               |               | <u> </u> |            |             | 114                | 114         | 104               | ļ                 |
| 32/ 31           | . 8         | 5.7   |       |           |              |              |              | 1            | 1                                                | 1            |              |               |               |          |            |             | 95                 | 95          | 117               |                   |
| 30/ 29           | 1.9         | 2.2   | 2.0   |           |              |              | <u> </u>     | <del> </del> | ļ                                                |              | ļ            |               |               |          |            |             | 64                 | 64          | 167               |                   |
| 28/ 27           | •7          |       |       | • 6       | 1            | Ì            | j            | i            |                                                  |              |              |               |               | 1 :      |            | ļ           | 63                 | 63          | 63                | 1                 |
| 26/ 25           |             | 2,2   | 1.1   |           | <u> </u>     | <u> </u>     | ļ            | <u> </u>     | ļ                                                | <del> </del> |              |               |               |          |            |             | 31                 | 31          | 51                | 1                 |
| 24/ 23           | .4          |       | .3    |           |              |              |              | 1            |                                                  | ļ            | 1            |               |               | 1        |            |             | 29                 | 29          | 60                |                   |
| 22/ 21           | . 1         | 1.0   | • 2   |           | <b> </b>     |              | ļ            |              | ļ                                                | <u> </u>     | ļ            |               |               | <u> </u> |            |             | 12                 | 12          | 31                |                   |
| 20/ 19           | • 9         | 1.2   |       |           |              |              |              | 1            | 1                                                | 1            |              |               |               |          |            |             | 20                 | 20          | 22                |                   |
| 18/ 17           | .7          | .7    | • 1   |           |              | <u> </u>     | <b> </b>     | <u> </u>     |                                                  |              | <u> </u>     |               |               |          |            |             | 13                 | 13          | 16                |                   |
| 16/ 15           | . 2         | •6    |       | İ         |              | 1            | l            | l            | 1                                                | i .          | İ            |               |               |          |            | ŀ           | 7                  |             | 12                |                   |
| 14/ 13           | 3           | .9    |       |           |              | l            | ļ            | <u> </u>     | ļ                                                | <u> </u>     | <u> </u>     |               |               |          |            |             | 11                 | 11          | 10                | ļ                 |
| 12/ 11           | . 4         | • 2   |       |           | 1            |              |              | 1            |                                                  |              | 1            | 1             |               |          |            |             | 6                  | 6           | 8                 | 1                 |
| 10/ 9            | . 2         |       | :_    |           | ļ            | <u> </u>     | <b>.</b>     | ļ            | ļ                                                |              | <u> </u>     | <u> </u>      |               |          |            |             | 3                  | 3           | 4                 | ļ                 |
| 8/ 7             | • 6         | Í     |       |           |              | 1            |              | 1            | į                                                | ĺ            | 1            | i             | ļ             |          |            | - 1         | 5                  | 3           | 5                 |                   |
| 6/ 5             | • 2         |       |       |           |              |              |              | <u> </u>     |                                                  | -            | <u> </u>     | ļ             |               |          | <u> </u>   |             | 2                  | 2           | 2                 | <b>⊢</b> -        |
| 4/ 3             |             |       |       | ì         |              |              |              |              |                                                  | 1            |              |               | ĺ             | j        |            |             |                    |             | 1 .               |                   |
| 0/ -1            | 1           |       |       |           | ļ            |              |              | <del> </del> | 1                                                |              |              | <u> </u>      | L             | <u> </u> |            |             | 1                  | 1           | 1                 | 1                 |
| -2/ -3<br>-4/ -5 | • 1         |       |       |           |              |              |              |              |                                                  |              |              |               |               |          |            |             | 1                  | 1           | 1                 |                   |
| -6/ -7           |             |       |       |           |              |              |              |              | T                                                |              |              |               |               |          |            |             |                    |             |                   |                   |
| -8/ -9           | 1           |       |       | <u> </u>  | <u> </u>     | L            |              |              | ــــــــــــــــــــــــــــــــــــــ           |              | <u></u>      | L             | <u> </u>      |          | <u> </u>   |             | 1 1                | 1           | 1                 |                   |
| Element (X)      |             | Σχ'n  |       | ļ         | z x          | _            | <u> </u>     | ·,           | <u></u>                                          | No. O        | b\$.         | _             |               |          |            | of Hours wi |                    |             |                   |                   |
| Rel. Hum.        |             |       |       |           |              |              |              | <b></b>      | _                                                |              |              | 10            | F             | 1 32 F   | ≥ 67 F     | ≥ 73 F      | > 80 F             | <b>2 93</b> | F                 | Total             |
| Dry Bulb         |             |       |       |           |              | _            |              | ļ            |                                                  |              |              |               |               |          | ļ          | 4           | <b></b>            | ļ           |                   |                   |
| Wet Bulb         |             |       |       | 1         |              | - 1          |              |              | 1                                                |              |              |               |               |          | l .        | 1           |                    | 1           | i i               |                   |

L. A.) REVISED MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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OW 0.26-5 (OLA) \*\*\*\*

SAFETAC \*

0-26-5 (OL A)

| STATION          | _ <u>M</u> A | ILMS! | ким                                              | AFB   | TATION N | AME      | PAL     | .13     |         | 68-                                              | 11      |              |             | YI      | ARS     |          |      |           |              |                                                  | PK<br>INTH                                       |
|------------------|--------------|-------|--------------------------------------------------|-------|----------|----------|---------|---------|---------|--------------------------------------------------|---------|--------------|-------------|---------|---------|----------|------|-----------|--------------|--------------------------------------------------|--------------------------------------------------|
|                  |              |       |                                                  |       |          |          |         |         |         |                                                  |         |              |             |         |         |          |      | PAGI      | E 2          | 0300                                             | -0500                                            |
| Temp.            |              |       |                                                  |       |          |          |         |         | RATURE  |                                                  |         |              |             |         |         |          |      | TOTAL     |              | TOTAL                                            |                                                  |
| (F)              | 0            | 1 - 2 | 3 - 4                                            | 5 - 6 | 7 - 8    | 9 - 10   | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18                                          | 19 - 20 | 21 - 22      | 23 - 24     | 25 - 26 | 27 - 28 | 29 - 30  | ≥ 31 | D.B./W.B. | Dry Bulb     | Wet Bulb                                         | Dew Point                                        |
| -14/-15<br>TOTAL | 9.1          | 28.7  | 23.6                                             | 20.7  | 11.6     | 4,4      | 1.8     | . 2     | 2       |                                                  |         |              |             |         |         |          |      |           | 900          |                                                  | 900                                              |
|                  |              |       |                                                  |       |          |          |         |         |         |                                                  |         |              |             |         |         |          |      | .900      |              | 900                                              |                                                  |
| ·t               |              |       |                                                  |       |          |          |         | 1       |         |                                                  |         |              | <del></del> |         |         |          |      |           | <del> </del> | <del>                                     </del> | <u> </u>                                         |
|                  |              |       |                                                  |       |          |          |         |         |         |                                                  |         |              |             |         |         |          |      |           |              |                                                  | <del>                                     </del> |
|                  |              |       |                                                  |       |          |          |         |         |         |                                                  |         |              |             |         |         |          |      |           | <u> </u>     |                                                  |                                                  |
|                  |              |       |                                                  |       |          |          |         | 1       |         |                                                  |         |              |             |         |         |          |      |           |              |                                                  |                                                  |
|                  |              |       | <del></del>                                      |       |          |          |         | -       |         |                                                  |         |              |             |         |         |          |      |           |              |                                                  |                                                  |
|                  |              | 1     |                                                  |       |          |          |         |         | 1       |                                                  |         |              |             |         |         |          |      |           |              |                                                  |                                                  |
|                  | •            |       |                                                  |       |          |          |         |         | 1       |                                                  |         |              |             |         |         |          |      |           |              |                                                  |                                                  |
|                  |              |       |                                                  |       |          |          |         | 1       |         |                                                  |         |              |             |         |         |          |      | <u> </u>  |              |                                                  |                                                  |
|                  |              | †     | <del>                                     </del> |       |          | <b>†</b> | 1       |         | 1       | <del>                                     </del> | T       | <del> </del> | <b></b>     |         | ┌╌      | <u> </u> |      | 1         |              | <del> </del>                                     | <b></b>                                          |

|             |                  |       | <del>                                     </del> |          |            |                |                       |         |
|-------------|------------------|-------|--------------------------------------------------|----------|------------|----------------|-----------------------|---------|
| Element (X) | Z <sub>X</sub> ; | ZX    | X TA                                             | No. Obs. |            | Mean No. of Ho | ours with Temperature | <u></u> |
| Rel. Hum.   | 4340196          | 60626 | 67.416.885                                       | 900      | ± 0 F ± 32 | F ≥ 67 F ≥     | 73 F = 80 F = 93 F    | Total   |
| Dry Bulb    | 1101524          | 30452 | 33.8 8.897                                       | 900      | .3 36      | • 4            |                       | 90      |
| Wet Bulb    | 851889           | 26945 | 29.9 7.090                                       | 900      | .3 57      | •1             | *                     | 90      |
| Day Point   | 524014           | 20040 | 22 2 2 224                                       | 900      | 2 92       | ß.             |                       | 80      |

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T.

C

Dew Point

| 4112<br>STATION  | MA             | LM3 I | KUM        | AFD ST | ATION N     | REAT                                   | PALI          | - 5      |          | 68-          | 11                                               |              |        | YE                                               | AR5                                              |                |              |          | MOI      | PR<br>HTH |
|------------------|----------------|-------|------------|--------|-------------|----------------------------------------|---------------|----------|----------|--------------|--------------------------------------------------|--------------|--------|--------------------------------------------------|--------------------------------------------------|----------------|--------------|----------|----------|-----------|
|                  |                |       |            |        |             |                                        |               |          |          |              |                                                  |              |        |                                                  |                                                  |                | PĄG          | E 1      | 0600-    | -080(     |
| Temp.            |                |       |            |        |             | WET                                    | BULB T        | EMPER    | ATURI    | DEPR         | ESSION                                           | (F)          |        |                                                  | <del></del>                                      |                | TOTAL        |          | TOTAL    |           |
| (F)              | 0              | 1 - 2 | 3 - 4      | 5 - 6  | 7 - 8       | 9 - 10                                 | 11 - 12       | 13 - 14  | 15 - 16  | 17 - 18      | 19 - 20                                          | 21 - 22      | 23 - 2 | 4 25 - 26                                        | 27 - 28                                          | 29 - 30 ≥ 31   | D.B./W.B.    | Dry Bulb | Wet Bulb | Dew Po    |
| 64/ 63           |                |       |            |        |             |                                        |               | .1       | • 1      | .[           |                                                  | i            |        |                                                  |                                                  |                | 2            | 2        |          |           |
| 62/ 61           |                |       |            |        |             | -                                      |               |          | . 1      |              | ļ                                                |              |        | 1                                                |                                                  | ļ              | 1            | 1        |          |           |
| 60/ 59           |                |       |            |        |             |                                        | • 1           | • 1      | , 1      |              |                                                  |              |        |                                                  |                                                  |                | 3            | 3        |          |           |
| 58/ 57           |                |       |            |        |             | • 1                                    | .1            | . 3      |          | 1            | •                                                |              |        |                                                  |                                                  | ļ              | 6            |          | •        | ł         |
| 56/ 55           |                |       |            |        | • 2         | •2<br>1•2                              | .6            | • 2      | • 1      |              |                                                  |              |        |                                                  |                                                  |                | 12           | 12       |          |           |
| 54/ 53           |                |       |            | . 1    |             | 1.2                                    | . 4           |          | . 1      | d            | 1                                                |              |        |                                                  |                                                  | ĺ              | 17           | 17       |          |           |
| 52/ 51           |                |       | -          | .2     | •7          | • 7                                    | . 3           | •1       |          | 1            |                                                  |              |        |                                                  |                                                  |                | 18           | 18       |          |           |
| 50/ 49           |                |       | • 1        | - 1    | .6          | 1.4                                    | . 4           |          |          |              |                                                  |              |        |                                                  |                                                  |                | 24           |          | 2        |           |
| 48/ 47           |                |       | • 2        |        |             | 1.2                                    | .3            |          |          |              |                                                  |              |        | <del>                                     </del> |                                                  |                | 36           |          | 5        |           |
| 46/ 45           |                |       | . 8        | . 8    | 2.7         |                                        | . 8           |          |          | 1            |                                                  |              |        | ļ                                                | į                                                |                | 63           |          | 12       |           |
| 44/ 43           |                | . 3   |            |        |             |                                        | • 1           |          |          | 1            |                                                  |              |        |                                                  |                                                  |                | 55           | 55       | 33       |           |
| 42/ 41           |                | .7    | 1.8        | 1.6    | 1.8         | 1.0                                    | • • •         |          |          |              |                                                  | 1 1          |        | 1                                                |                                                  | j              | 61           | 61       | 40       |           |
| 40/ 39           |                | 1.1   | 2.7        | 2.2    | 2,9         | • 4                                    | <del></del> † |          |          | <b></b>      | 1                                                |              |        | <del>                                     </del> | <del>                                     </del> |                | 84           |          | 61       |           |
| 38/ 37           | . 3            |       | 2.2        |        | 1.3         |                                        | - 1           |          |          |              |                                                  |              |        |                                                  |                                                  |                | 67           |          | 80       |           |
| 36/ 35           | . 4            | 1.7   | 4.1        | 2.6    | ,6          |                                        |               |          |          | 1            | <del> </del>                                     |              |        | +                                                | <del>                                     </del> |                | 84           |          | 105      |           |
| 34/ 33           | • 1            | 4.1   | 3.1        |        | .7          |                                        |               |          |          |              | l                                                |              |        |                                                  |                                                  | ŀ              | 36           |          | 85       |           |
| 32/ 31           | . 4            |       | 2.3        | 1.2    | • 2         | 7.5                                    |               |          |          | ╁┈┈          | <del>                                     </del> | <del> </del> |        | +                                                | $\vdash$                                         |                | 68           |          | 135      |           |
| 30/ 29           | 1.3            |       |            | • • 4  | 1           |                                        | - 1           |          |          |              | 1                                                |              |        |                                                  | 1                                                |                | 55           |          | 108      | 10        |
| 28/ 27           | .7             | 1.4   | 1.4        | •2     |             |                                        |               |          |          | ┼            | <del>                                     </del> | 1-1          |        | +                                                | <del>  </del>                                    |                | 34           |          |          | 1         |
|                  | • /            | 2 4   |            |        |             |                                        | - 1           |          |          | 1            | 1                                                |              |        |                                                  |                                                  |                | 32           |          | 67       |           |
| 26/ 25<br>24/ 23 | • <u>2</u>     | 2.6   | • 8<br>• 2 |        |             |                                        |               |          |          | <del> </del> | <del> </del>                                     |              |        | <del></del>                                      | <del>  </del>                                    |                | 27           |          | 35       |           |
|                  | . 3            | 2.0   |            |        |             |                                        | - 1           |          |          |              |                                                  | l i          |        | 1                                                |                                                  | İ              |              | 11       | 47       | ,         |
| 22/ 21           |                | .8    | •1         |        | <del></del> |                                        |               |          |          | <del> </del> | -                                                |              |        |                                                  | <del>  </del>                                    |                | 11           | 15       | 23       |           |
| 20/ 19           | • 2            |       | • 2        |        |             | 1                                      |               |          |          | 1            |                                                  | 1            |        |                                                  |                                                  |                | 15           |          | 14       |           |
| 18/ 17           |                | •6    |            |        |             |                                        |               |          |          | -            |                                                  |              |        |                                                  |                                                  |                | 5            |          | 10       |           |
| 16/ 15           | . 4            | .3    |            |        |             |                                        |               |          |          | 1            |                                                  |              |        |                                                  |                                                  |                | 7            |          | 8        |           |
| 14/ 13           | • 4            | .4    |            |        |             |                                        |               |          |          | <del> </del> |                                                  |              |        |                                                  |                                                  |                | 8            |          | 10       |           |
| 12/ 11           | . 4            | .3    |            |        |             | ĺĺ                                     | l             |          |          |              |                                                  | i I          |        |                                                  |                                                  | ı              | 7            |          | 6        |           |
| 10/ 9            | <u>, 2</u>     |       |            |        |             |                                        |               |          |          | <b></b>      | ļ                                                |              |        |                                                  |                                                  |                | 2            |          | 4        |           |
| 8/ 7             | . 4            |       |            |        |             |                                        |               |          |          | l            |                                                  |              |        |                                                  |                                                  |                | 4            | 4        | 4        |           |
| 6/ 5             |                |       |            |        |             |                                        |               |          | ļ        | <del> </del> | <del> </del>                                     |              |        |                                                  | $\longmapsto$                                    | _              | <del> </del> |          |          |           |
| 4/ 3             | • 2            |       |            |        |             |                                        |               |          | l        | 1            |                                                  |              |        | 1                                                | j                                                |                | 2            | 2        | 5        |           |
| 2/ 1             | •2<br>•1<br>•3 |       |            |        |             |                                        |               |          | <u> </u> | <b>↓</b>     | ↓                                                |              |        |                                                  |                                                  |                | 1            | 1        | 1        |           |
| 0/ -1            | • 3            |       |            |        |             |                                        | 1             |          |          |              | 1                                                |              |        |                                                  |                                                  |                | 3            | 3        | 3        | }         |
| -2/ -3           |                |       |            |        | <u></u>     | ــــــــــــــــــــــــــــــــــــــ |               |          | <u> </u> | <u></u>      | L                                                | لـــــا      |        | _ <u></u>                                        |                                                  |                | <u> </u>     | 1        | <u> </u> |           |
| Element (X)      |                | Z X 2 |            |        | Z X         |                                        | X             | <b>₹</b> |          | No. O        | bs.                                              |              |        |                                                  |                                                  | o. of Hours wi |              |          |          |           |
| Rel. Hum.        |                |       |            |        |             |                                        |               |          | _        |              |                                                  | ≤ 0 1        |        | ≤ 32 F                                           | ≥ 67                                             | F ≥ 73 F       | > 80 F       | ≥ 93 f   |          | Fetal     |
| Dry Bulb         |                |       |            |        |             |                                        |               |          |          |              |                                                  |              |        |                                                  |                                                  |                |              |          |          |           |
| Vet Bulb         |                |       |            | I      |             | í                                      |               |          | - 1      |              | l                                                |              | ļ      |                                                  | i                                                | 1              | 1            | 1        | 1        |           |

3.

| 24112<br>STATION     | MA  | LMST  | ROM            | AFB          | MT/G     | REAT     | FAL                | LS           |          | 68-          | 77                                               |              |              | Y            | ARS         |          |                | <del></del>                                    |          | A        | PR<br>NTH   |
|----------------------|-----|-------|----------------|--------------|----------|----------|--------------------|--------------|----------|--------------|--------------------------------------------------|--------------|--------------|--------------|-------------|----------|----------------|------------------------------------------------|----------|----------|-------------|
| 2                    |     |       |                | -            |          |          |                    |              |          |              |                                                  |              |              |              |             |          |                | PAG                                            | E 2      | 0600     | -0800       |
| Temp                 |     |       |                |              |          |          |                    | TEMPER       |          |              |                                                  |              |              |              |             |          |                | TOTAL                                          |          | TOTAL    |             |
| (F)                  | 0   | 1 - 2 | 3 - 4          | 5 - 6        | 7 - 8    | 9 - 10   | 11 - 12            | 13 - 14      | 15 - 16  | 17 - 18      | 19 - 20                                          | 21 - 22      | 23 - 2       | 4 25 - 26    | 27 - 28     | 29 - 30  | ≥ 31           | D.B./W.B.                                      | Dry Bulb | Wet Bulb | Dew Poi     |
| H4/ -5               | 7.4 | 25.8  | 22.1           | 14.7         | 15.6     | 9,7      | 3.3                | ,9           | .6       |              |                                                  |              |              |              |             |          |                |                                                | 900      |          | 900         |
|                      |     |       |                |              |          |          |                    |              |          |              |                                                  |              |              |              |             |          |                | 900                                            |          | 900      |             |
|                      |     |       |                |              |          |          |                    |              |          |              |                                                  |              |              |              |             |          | <del> </del> - |                                                |          |          |             |
|                      |     |       |                |              |          |          |                    |              |          |              |                                                  |              |              |              |             |          |                |                                                |          |          |             |
|                      |     |       |                |              |          |          |                    | -            |          | <del> </del> |                                                  | <del></del>  | <u> </u>     | 1            |             |          |                |                                                |          |          |             |
|                      |     |       |                |              |          | <u> </u> |                    |              |          | <del> </del> | <del>                                     </del> | <del> </del> | <del> </del> | +            | <u> </u>    | <br>     |                |                                                |          |          |             |
|                      |     |       | <del> </del>   | <del> </del> |          |          |                    |              | -        |              | <del> </del>                                     |              | <del> </del> | +            |             | <u> </u> |                | <u> </u>                                       |          |          |             |
|                      |     |       | -              |              |          |          |                    |              |          |              |                                                  |              | -            | +            |             |          |                | -                                              | ļ<br>    |          |             |
| <u>i</u>             |     | !<br> |                | <u> </u>     |          | <br>     |                    |              |          |              | ļ <u>.</u>                                       |              | -            |              | <u> </u>    |          |                |                                                | <u> </u> | <u> </u> |             |
|                      |     | ļ     |                |              |          | -        | -                  |              |          |              |                                                  | <del> </del> | -            | <del> </del> | <br>        |          |                | <u>                                       </u> | <u> </u> |          |             |
| <u> </u>             |     | ļ     |                |              |          |          | <u> </u>           | <del> </del> | <u> </u> |              | <u> </u>                                         |              | -            | -            |             |          | <u> </u>       |                                                |          |          |             |
|                      |     |       |                |              |          |          |                    |              |          |              | <u> </u>                                         | <u> </u>     | -            | <u> </u>     |             |          |                | -                                              |          | <u> </u> |             |
|                      |     | ļ     |                |              |          |          | <br><del> </del> - |              |          |              | ļ<br>                                            |              | -            | -            |             |          | ļ              | <u> </u>                                       |          |          | ļ .         |
|                      |     |       |                |              |          | <u> </u> |                    |              |          | <u> </u>     | <u> </u>                                         | ļ            | -            | ļ            |             |          |                | <del> </del>                                   |          | ٠        | <u> </u>    |
|                      |     | }     | <u> </u>       |              |          |          | <u> </u>           | <u> </u>     | ļ        | <u> </u>     | <u> </u>                                         | ļ            |              |              | ļ           |          |                | 1                                              | ļ        |          |             |
|                      |     |       |                |              |          |          |                    |              |          | <u> </u>     | <u> </u>                                         | <u> </u>     |              |              |             |          |                | ļ                                              |          |          |             |
|                      |     |       | <u></u>        | <u> </u>     |          | ļ        |                    |              |          |              | ļ                                                | ļ            |              |              |             |          |                |                                                |          |          |             |
|                      |     |       |                | ļ<br>        | <u> </u> | <u> </u> | <u> </u>           |              | <u> </u> |              | <u></u>                                          |              | <u> </u>     |              | <u> </u>    |          |                | <u> </u>                                       | <u> </u> |          |             |
| Element (X)          |     | Z X2  | 1//8/          |              | ZX       | 02       | X                  | <b>"</b>     |          | No. O        |                                                  |              |              |              | <del></del> |          |                | h Tempera                                      |          | - 1      | <del></del> |
| Rel. Hum.            |     | 408   | 34486          |              | 202      | 74       | 24                 | 18.1         | 40       |              | 000                                              | <b>±</b> 0   |              | ≤ 32 F       | ≥ 67        | -        | × 73 F         | > 80 F                                         | ≥ 93     | <u> </u> | Total<br>9  |
| Dry Bulb<br>Wet Bulb |     | 121   | 78224<br>1930: | <u> </u>     | 261      | 101      | 30.4               | 7.5          | 741      |              | 00                                               |              | .3           | 28,1         |             |          |                | <del> </del>                                   |          |          | 9           |
| Dew Point            |     |       | 14224          |              | 221      | 12       | 24.0               | 7.5          | 30       |              | 00                                               |              | • 5          | 79,2         |             |          |                | <del> </del>                                   |          |          | 9(          |

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## **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION STATION NAME

PAGE 1 0900-1100
HOURS (L. S. T.)

|            | . , | <del>,</del> |                                              |       |          |       |             |         |              |             |                                                  |                                                   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,           |             |                                                  |                                                  |              |                                                  |               | <del>,</del> |                                                  | L. S. T.)                                        |
|------------|-----|--------------|----------------------------------------------|-------|----------|-------|-------------|---------|--------------|-------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|-------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|---------------|--------------|--------------------------------------------------|--------------------------------------------------|
| Temp.      | L   |              |                                              |       |          |       |             |         |              |             | DEPRE                                            |                                                   |                                                  |             |                                                  |                                                  | ,            |                                                  | TOTAL         |              | TOTAL                                            | ,                                                |
| (F)        |     | 0            | 1 - 2                                        | 3 - 4 | 5 - 6    | 7 - 8 | 9 - 10      | 11 - 12 | 13 - 14      | 15 - 16     | 17 - 18                                          | 19 - 20                                           | 21 - 22                                          | 23 - 24     | 25 - 26                                          | 27 - 28                                          | 29 - 30      | ≥ 31                                             | D.B./W.B.     | Dry Bulb     | Wet Bulb                                         | Dew Point                                        |
| 80/ 7      |     | 1            | - 1                                          | 1     | 1        | - 1   |             |         |              |             | j                                                | ŀ                                                 |                                                  |             | İ                                                |                                                  | .1           | 1                                                | 1             | 1            |                                                  |                                                  |
| 78/ 7      |     |              |                                              |       |          | l     |             |         |              |             | l                                                |                                                   |                                                  | .1          |                                                  | LI                                               |              | <u>L</u>                                         | 1             | 1            |                                                  | <u> </u>                                         |
| 76/ 7      |     | -            |                                              |       |          |       |             |         |              |             |                                                  |                                                   |                                                  | • 1         |                                                  |                                                  |              |                                                  | <sup>-1</sup> | 1            |                                                  | 1                                                |
| 74/ 7      | 3   | - 1          | 1                                            |       | 1        |       |             |         |              |             |                                                  | .1                                                | • 3                                              | .1          | .                                                | ]                                                |              | ļ                                                | 5             |              |                                                  |                                                  |
| 72/ 7      | 1   |              |                                              |       | i        |       |             |         |              |             |                                                  |                                                   | •1                                               | ,2          | !                                                |                                                  |              |                                                  | 3             | 3            |                                                  |                                                  |
| 70/ 6      | 9   | l            |                                              |       | İ        |       |             |         |              |             | ļ                                                | .4                                                |                                                  | , 1         | .]                                               |                                                  |              | ļ                                                | 7             | 7            | ĺ                                                |                                                  |
| 68/ 6      |     |              |                                              |       |          |       |             |         |              | •1          |                                                  | .7                                                | •1                                               |             | 1                                                |                                                  |              |                                                  | 8             | 8            |                                                  |                                                  |
| 66/ 6      |     |              | į                                            |       |          |       |             |         | 1            | .1          | 4                                                |                                                   |                                                  |             | 1                                                | ļ                                                |              | 1                                                | 8             |              | 1                                                | ł                                                |
| 64/ 6      |     |              |                                              |       |          |       |             |         | •2           | ,6          |                                                  |                                                   | •2                                               |             | T                                                |                                                  | _            | <u> </u>                                         | 18            | 18           |                                                  | ļ                                                |
| 62/ 6      |     | !            |                                              |       |          | j     | • 1         | .1      | .9           | 1.4         |                                                  |                                                   |                                                  |             | 1                                                |                                                  |              | 1                                                | 32            |              |                                                  | İ                                                |
| 60/ 5      |     | i            |                                              |       |          | • 1   | •2          |         | .9           |             |                                                  |                                                   |                                                  |             |                                                  |                                                  |              | 1                                                | 28            |              | <del>                                     </del> | 1                                                |
| 58/ 5      |     |              |                                              |       |          |       | .3          | 1.4     | 1.1          | 1.1         |                                                  |                                                   |                                                  |             | 1                                                |                                                  |              |                                                  | 39            |              |                                                  |                                                  |
| 56/ 5      |     |              |                                              |       |          | • 3   | ,4          |         |              |             |                                                  |                                                   |                                                  |             | 1                                                |                                                  |              | <b> </b>                                         | 48            |              | <del>                                     </del> |                                                  |
| 54/ 5      |     | 1            | Ì                                            |       | . 2      |       | 1.0         |         |              |             |                                                  |                                                   | 1                                                |             | 1                                                | )                                                |              | 1                                                | 50            | •            | 3                                                | ]                                                |
| 52/ 5      |     |              |                                              | • 1   |          | ,3    | 1.6         |         |              |             |                                                  |                                                   | <del>                                     </del> |             | <del>                                     </del> |                                                  |              |                                                  | 46            |              |                                                  |                                                  |
| 50/ 4      |     | 1            |                                              | 1     | . 9      |       | 1.7         | 2.9     | .3           |             | 1                                                | 1                                                 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \            | ŀ           | !                                                | \                                                |              | 1                                                | 58            |              |                                                  |                                                  |
| 48/ 4      |     |              |                                              | • 1   | • 7      | . 8   |             | 1.1     | .4           |             | <del> </del> -                                   |                                                   |                                                  |             | <del>                                     </del> |                                                  |              | <del> </del>                                     | 56            |              |                                                  | <del>                                     </del> |
| 46/ 4      | 1   |              |                                              | 4     | . 4      | 2.2   | 1.8         |         |              |             | 1                                                | 1                                                 | 1                                                |             | 1                                                | 1                                                |              | 1                                                | 73            |              |                                                  |                                                  |
| 44/ 4      |     |              |                                              | . 4   | 1.7      |       |             | .9      |              |             | <del>                                     </del> | <del> </del>                                      | <del> </del>                                     |             | <del> </del>                                     | <del>                                     </del> |              |                                                  | 58            |              |                                                  |                                                  |
| 42/ 4      |     | ŀ            |                                              | 9     | i . 2    | 1.2   | 1.2         | .6      | • •          | i           |                                                  | İ                                                 |                                                  |             | 1                                                | ] [                                              | 1            |                                                  | 50            |              |                                                  |                                                  |
| 40/ 3      |     |              | . 7                                          | 1.9   | 1.0      |       |             | _       |              |             |                                                  |                                                   | <del> </del>                                     |             | 1                                                | <del>                                     </del> |              |                                                  | 64            |              |                                                  |                                                  |
| 38/ 3      |     | . 3          | 9                                            | 1.9   | 1.7      | 8     | .1          |         |              | ·           |                                                  | 1                                                 |                                                  | ľ           | ł                                                |                                                  |              | İ                                                | 51            | 4            | 108                                              |                                                  |
| 36/ 3      |     |              | 1.3                                          |       |          |       |             |         |              |             |                                                  | <del>                                      </del> | <del>                                     </del> | <del></del> | 1                                                | <del> </del>                                     | <u> </u>     | <del> </del>                                     | 40            |              |                                                  |                                                  |
| 34/ 3      |     | 1            | 1.0                                          | 1.3   | .7       | י י   |             |         |              |             | ĺ                                                |                                                   |                                                  |             | ŀ                                                |                                                  |              | 1                                                | 35            |              |                                                  | 54                                               |
| 32/ 3      |     | .2           | 2.3                                          | .4    | .3       |       |             |         |              |             | <del> </del>                                     | <del> </del>                                      | <del> </del>                                     |             | <del> </del>                                     | -                                                |              | <del>                                     </del> | 30            |              |                                                  |                                                  |
| 30/ 2      |     | • ٩          | 4                                            | 1.1   | i        |       |             |         |              |             | 1                                                | 1                                                 | l                                                |             | 1                                                |                                                  |              |                                                  | 15            |              |                                                  |                                                  |
| 28/ 2      |     | .2           | 1.9                                          |       | • 1      |       |             |         |              | <b> </b> -  | ├                                                |                                                   | <del> </del>                                     |             | <del> </del>                                     | <del> </del>                                     |              | <del>                                     </del> | 25            |              |                                                  |                                                  |
| 26/ 2      |     | .2           | .,9                                          |       | • •      |       |             |         |              |             |                                                  |                                                   |                                                  |             |                                                  |                                                  | 1            |                                                  | 12            |              |                                                  |                                                  |
| 24/ 2      | 3   | .2           | • 7                                          |       |          |       |             |         |              |             |                                                  | <del> </del>                                      | <del>                                     </del> |             | +                                                | <del> </del>                                     |              |                                                  | 8             |              |                                                  |                                                  |
| 22/ 2      |     | - 4          | . 4                                          | • 2   |          |       |             |         |              | [           | 1                                                | 1                                                 | 1                                                |             | 1                                                | 1                                                |              | 1                                                | . 9           |              |                                                  |                                                  |
| 20/ 1      |     |              | .3                                           |       |          |       |             |         |              |             | <del> </del>                                     | <del> </del>                                      | <del> </del>                                     |             | +                                                | <del> </del>                                     | <del> </del> | <del> </del>                                     | 3             |              |                                                  | 62                                               |
| 18/ 1      | 7   |              | ,3                                           | •     |          |       |             | }       |              | 1           |                                                  | i                                                 | 1                                                | ١.          | 1                                                | }                                                | }            | 1                                                | 3             |              |                                                  | 62<br>42                                         |
|            |     |              |                                              |       |          |       |             |         | $\vdash -$   |             | -                                                | <del> </del>                                      | <del> </del>                                     |             | +                                                |                                                  | <del> </del> | $\vdash$                                         | 2             |              |                                                  | 44                                               |
|            | 5   | • 1          | • 1                                          |       |          |       |             |         |              |             |                                                  |                                                   | l                                                |             |                                                  | 1                                                |              |                                                  | 1             | 1            |                                                  | 21                                               |
| Element (X |     |              | Z X2                                         |       |          | z x   | <del></del> | X       | · * 5        | <del></del> | No. Ol                                           | <u> </u>                                          |                                                  |             | ــــــــــــــــــــــــــــــــــــــ           | Mean 1                                           | ln. al 11    | oute with                                        | h Tempera     | 1            | <u> </u>                                         |                                                  |
| Rel. Hum.  | ~+  |              | <u>-                                    </u> |       | <u> </u> | - ^   |             |         |              |             | 140. 01                                          |                                                   | ± 0                                              |             | ≤ 32 F                                           | meon :                                           |              | 73 F                                             | > \$0 F       | ≥ 93         | <u> </u>                                         | Total                                            |
| Dry Bulb   |     |              |                                              |       |          |       |             |         | <del> </del> |             |                                                  |                                                   | = 0                                              | -           | - 32 F                                           | - 20/                                            |              | . /3 F                                           | - 50 F        | + - 73       | <del>'</del>                                     | , 5101                                           |
| Wet Bulb   |     |              |                                              |       |          |       |             |         |              |             |                                                  |                                                   |                                                  |             |                                                  | <del> </del>                                     |              |                                                  | <del> </del>  |              |                                                  |                                                  |
| Dew Point  | -+  |              |                                              |       |          |       | -+-         |         | <del> </del> |             |                                                  |                                                   |                                                  |             |                                                  |                                                  |              |                                                  | <del> </del>  |              |                                                  |                                                  |
| Den Lount  |     |              |                                              |       |          |       |             |         | L            |             |                                                  |                                                   | ·                                                |             |                                                  | L                                                |              |                                                  | <u></u>       |              |                                                  |                                                  |

### **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77
STATION STATION NAME YEARS

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| Temp,       |            |                                                  |                                                  |                                                  |                                                  | WET                                              | BULB                                             | TEMPE                                            | ATIIDE                                           | DEPRE                                            | SSION                                            | E)                                               |             |               |         |             |                                                  | TOTAL                                            | T                                                | TOTAL                                            |                                                  |
|-------------|------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------|---------------|---------|-------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| (F)         | 0          | 1 . 2                                            | 3 - 4                                            | 5 - 6                                            | 7 - 8                                            | 9 - 10                                           | 11 - 12                                          | 13 - 14                                          | 15 . 16                                          | 17 . 18                                          | 19 - 20                                          | 21 . 22                                          | 23 . 24     | 25 - 26       | 27 . 28 | 29 . 30     | > 31                                             |                                                  | Dry Bulb                                         | Wet Bulb                                         | Dew Po                                           |
| 12/ 11      | <u>, 3</u> |                                                  | 1 3 4                                            | 1                                                | 1                                                | 17.10                                            | 1111                                             | 1.5                                              | 13 10                                            | 177                                              | 17-20                                            | 21.44                                            | 20 - 27     | 23 - 20       | 27 - 20 | 17 - 30     | 1 3.                                             | 3                                                | 3                                                | 3                                                | 1                                                |
| 10/ 9       | .1         | .2                                               |                                                  |                                                  |                                                  | Ì                                                |                                                  |                                                  | ĺ                                                | İ                                                | 1                                                |                                                  |             |               |         |             | i                                                | 3                                                | 3                                                | ī                                                | 2                                                |
| 8/ 7        | - 4        |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del></del>                                      |                                                  | <del> </del>                                     | <del> </del>                                     | <del></del>                                      |                                                  |             |               |         | <u> </u>    | <del> </del>                                     | 4                                                |                                                  | 6                                                |                                                  |
| 6/ 5        | . 2        |                                                  |                                                  |                                                  | 1                                                | l                                                |                                                  |                                                  | 1                                                | İ                                                |                                                  |                                                  |             |               |         |             | ĺ                                                | 2                                                | Ž                                                | 1                                                |                                                  |
| 4/ 3        |            | <del> </del> -                                   | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  |             |               |         |             | <del> </del>                                     | <del>                                     </del> |                                                  | <del></del>                                      | <del>                                     </del> |
| TOTAL       | 2 . 8      | 13.3                                             | 11.7                                             | 9.4                                              | 11.2                                             | 14.7                                             | 15.9                                             | 8.9                                              | 5.3                                              | 2.2                                              | 1 . 8                                            | 1.0                                              | •7          |               |         | .1          | ĺ                                                | 1                                                | 900                                              | 1                                                | 900                                              |
|             |            |                                                  |                                                  | 1                                                |                                                  |                                                  | -                                                | 100                                              |                                                  |                                                  |                                                  |                                                  | <u> </u>    |               |         |             |                                                  | .900                                             |                                                  | 900                                              | <u> </u>                                         |
|             |            |                                                  | i                                                | 1                                                |                                                  |                                                  |                                                  | ŀ                                                | 1                                                | 1                                                | İ                                                |                                                  |             |               |         |             |                                                  | / •                                              | İ                                                |                                                  |                                                  |
|             |            | <del> </del>                                     | <del> </del>                                     |                                                  | $\vdash$                                         | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> |                                                  | · -                                              |             | -             |         |             | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | -                                                |
|             |            |                                                  |                                                  | 1                                                | 1                                                |                                                  |                                                  | ĺ                                                | 1                                                | 1                                                | 1                                                |                                                  |             | l l           |         |             | 1                                                | İ                                                | İ                                                | ļ                                                |                                                  |
|             |            | <del> </del>                                     | <del> </del>                                     | -                                                | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     |                                                  |                                                  |             |               |         |             | <del> </del>                                     |                                                  | <del>                                     </del> |                                                  | <del> </del>                                     |
|             |            |                                                  |                                                  |                                                  | 1                                                |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |             |               |         |             |                                                  | 1                                                | 1                                                |                                                  |                                                  |
|             |            |                                                  | <del>                                     </del> | <del>                                     </del> |                                                  | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     |                                                  | <del> </del>                                     |                                                  |             |               |         |             | <del> </del> -                                   | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> |
|             |            |                                                  |                                                  | 1                                                |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  | 1                                                |                                                  |             |               |         | ĺ           |                                                  | 1                                                |                                                  | }                                                |                                                  |
|             |            |                                                  | <del> </del> -                                   | ·                                                |                                                  | <del> </del>                                     |                                                  |                                                  |                                                  | <del> </del>                                     | <del>                                     </del> |                                                  |             |               |         |             | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> |                                                  |
|             |            |                                                  | ļ                                                | 1                                                |                                                  |                                                  | 1                                                |                                                  | Į.                                               | l                                                | 1                                                |                                                  |             | l i           |         |             |                                                  |                                                  |                                                  | ŀ                                                |                                                  |
|             |            | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  | $\vdash$                                         | <del> </del>                                     | <b></b> -                                        |             |               |         |             | <del> </del> -                                   | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> |
|             |            | 1                                                |                                                  | Ì                                                |                                                  |                                                  | l                                                |                                                  |                                                  |                                                  | 1                                                | i i                                              |             |               |         |             |                                                  |                                                  |                                                  | 1                                                |                                                  |
|             |            | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <u> </u>                                         |             |               |         | <del></del> | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> |                                                  | <del> </del>                                     |
| 1           |            | 1                                                | }                                                | 1                                                | 1                                                |                                                  |                                                  |                                                  |                                                  |                                                  | İ                                                |                                                  |             |               |         |             |                                                  |                                                  |                                                  | 1                                                |                                                  |
|             |            | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     |                                                  | <del>                                     </del> | <del>                                     </del> |                                                  | <del>                                     </del> |             | -             |         |             | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | ┼──                                              |                                                  |
|             |            |                                                  | ľ                                                | ĺ                                                | l                                                | 1                                                |                                                  | l                                                | 1                                                |                                                  |                                                  |                                                  |             |               |         |             | l                                                | İ                                                |                                                  | 1                                                | ĺ                                                |
|             |            |                                                  | <del> </del>                                     | <del> </del>                                     | <b> </b>                                         | <del> </del>                                     | -                                                | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  |             |               |         |             |                                                  | <del> </del>                                     |                                                  | <del>                                     </del> |                                                  |
|             |            | 1                                                | 1                                                | 1                                                | l                                                | 1                                                | 1                                                |                                                  | 1                                                | 1                                                | l                                                |                                                  |             |               |         | İ           | ١.                                               |                                                  | İ                                                | i                                                | ĺ                                                |
|             |            |                                                  | <del> </del>                                     | <del>                                     </del> | 1                                                | <del></del>                                      | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> |             | <del>  </del> |         |             | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     | <del>                                     </del> |
|             |            | İ                                                | 1                                                |                                                  |                                                  | 1                                                | 1                                                | 1                                                | ł                                                | ł                                                | i                                                |                                                  | 1           |               |         |             | 1                                                | i                                                |                                                  |                                                  |                                                  |
|             |            | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                                     | _                                                | <del> </del>                                     | <del> </del> -                                   | <del> </del>                                     | <del>                                     </del> | <del></del>                                      |                                                  |             |               |         |             | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> |                                                  |
| .           |            | 1                                                |                                                  |                                                  | 1                                                | 1                                                |                                                  |                                                  |                                                  |                                                  |                                                  | <b>\</b>                                         |             |               |         | 1           |                                                  | 1                                                | 1                                                | 1                                                | 1                                                |
|             |            | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | $\vdash$                                         | <del>                                     </del> |                                                  | <del>                                     </del> | <del></del> |               |         |             | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     |                                                  |
| ,           |            | l                                                |                                                  | Ì                                                |                                                  | 1                                                |                                                  |                                                  |                                                  | Ì                                                |                                                  |                                                  |             | ļ             |         |             |                                                  | 1                                                |                                                  |                                                  | 1                                                |
|             |            | 1                                                | -                                                |                                                  | <del>                                     </del> |                                                  |                                                  |                                                  |                                                  |                                                  | <del>                                     </del> |                                                  | · ·         |               |         |             | <del> </del>                                     | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> |                                                  |
| }           |            |                                                  | 1                                                |                                                  |                                                  |                                                  | 1                                                | 1                                                |                                                  |                                                  |                                                  | 1                                                |             | <b>1</b> 1    |         |             |                                                  | 1                                                | 1                                                | }                                                |                                                  |
|             |            |                                                  | <del>                                     </del> | <del>                                     </del> | 1                                                |                                                  | <del>                                     </del> |                                                  |                                                  |                                                  |                                                  |                                                  |             |               |         |             | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | 1                                                | <del>                                     </del> |
|             |            | {                                                | 1                                                |                                                  | 1                                                |                                                  | 1                                                | 1                                                |                                                  | 1                                                |                                                  |                                                  |             | 1 1           |         |             |                                                  | }                                                | 1                                                |                                                  | 1                                                |
| Element (X) |            | Z X 2                                            | <del></del>                                      | 1                                                | ZX                                               | $\top$                                           | X                                                | <b>1</b> /2                                      |                                                  | No. Ol                                           | 3.                                               |                                                  |             |               | Mean I  | io. of H    | ours wit                                         | h Tempere                                        | ture                                             |                                                  |                                                  |
| Rel. Hum.   |            | 26:                                              | 59434                                            | <b>*</b>                                         | 451                                              | 56                                               | X<br>50.2<br>45.1                                | 20.9                                             | 30                                               | 9                                                | 00                                               | ± 0                                              | F :         | ≤ 32 F        | ≥ 67    |             | 73 F                                             | ≥ 80 F                                           | ≥ 93                                             | F                                                | Total                                            |
| Dry Bulb    |            | 19:                                              | 6274                                             | 1                                                | 405                                              | 74                                               | 45.1                                             | 11.8                                             | 91                                               | 9                                                | 00                                               |                                                  |             | 12.0          |         | -6          | +8                                               |                                                  |                                                  |                                                  |                                                  |
| Wet Bulb    |            | 12:                                              | 57674                                            |                                                  | 329                                              | 730                                              | 36.0                                             | 7.6                                              | 64                                               |                                                  | 00                                               |                                                  |             | 24.9          |         | _           |                                                  | 1                                                |                                                  |                                                  | Ś                                                |
| Dew Point   |            | 62                                               | 4465                                             | <b>1</b>                                         | 227                                              | 63                                               | 25.1                                             | 7.3                                              | 63                                               | 9                                                | 00                                               |                                                  |             | 76.3          |         | $\neg$      |                                                  | 1                                                | $\top$                                           |                                                  | <del>/</del>                                     |

FETAC FORM 0-26-5 (OLA) RYSED MENOUS EDITIONS OF "YS FORM ARE ONSOLETE

#### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS 68-77 MONTH PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 (F) 82/ 81 80/ 79 . 2 3 78/ 77 • 1 3 6 75 76/ .6 12 74/ 73 .6 •2 19 72/ 71 23 23 ,6 70/ 69 . 1 21 .3 68/ 67 21 1.2 66/ 65 • 6 1.0 • 9 34 34 38 64/ 63 38 25 25 62/ 61 59 .6 45 45 60/ 54 54 58/ 57 2.1 56/ 55 49 49 • 1 50 54/ 53 2.3 1.1 50 10 52/ 51 .6 56 56 1.8 49 1.3 50/ 49 49 49 51 48/ 47 1.7 56 1.0 1.7 1.2 53 53 71 41 44/ 43 41 80 1.1 42/ 41 1.0 1,1 41 41 81 5 40/ 39 1.0 49 50 95 8 38/ 37 . 8 2.0 40 40 96 26 39 30 95 36/ 35 **3**0 34/ 33 32/ 31 1.1 19 19 41 78 15 62 15 68 26 17 1.4 1.0 25 25 91 30/ 29 • 3 10 116 10 28/ 27 26/ 25 1.1 12 20 103 67 5 23 5 14 82 22/ 21 74 20/ 19 61 18/ 17 40 16/ 15 Mean No. of Hours with Temperature Element (X)

≤ 32 F

≥67 F ≥ 73 F ≥ 80 F

THE TAXABLE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR

9

Rel. Hum.

Dry Bulb Wet Bulb Dew Point

## **PSYCHROMETRIC SUMMARY**

 24112
 MALMSTROM AFB MT/GREAT FALLS
 68-77
 APR

 STATION
 STATION NAME
 YEARS
 MONTH

 PAGE 2
 1200-1400

|                  |          |       |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      | HOURS ( | L. S. T.)    |
|------------------|----------|-------|----------|-------|-------|--------|--------------|---------|----------|--------------|----------------|----------|---------|---------|---------|---------|-------------|------------|------|---------|--------------|
| Temp             |          |       | ,        |       |       |        |              |         |          | DEPRE        |                |          |         |         |         |         |             | TOTAL      |      | TOTAL   | <del></del>  |
| (F)              | 0        | 1 - 2 | 3 - 4    | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12      | 13 - 14 | 15 - 16  | 17 - 18      | 19 - 20        | 21 - 22  | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31        | D.B./W.B.  |      |         |              |
| 14/ 13<br>12/ 11 | . 1      | .2    |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             | 3          | 3    | 1 5     | 22<br>19     |
| 10/ 9            | •3<br>•3 | •1    |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             | 4          | 4    | 5       | 19<br>11     |
| 6/ 5             | • •      |       |          |       |       |        |              |         |          | <del> </del> |                |          |         |         |         |         | <del></del> |            |      | -       | 9            |
| 4/ 3             |          |       |          |       |       |        |              |         |          | İ            |                |          |         |         |         |         |             |            |      |         | 4            |
| DTAL             | 1.6      | 9.7   | 9.7      | 6.3   | 6,8   | 8.5    | 11.6         | 15.7    | 10.8     | 6.2          | 5.0            | 4.0      | 2.1     | 1.3     | •3      | .3      | •1          | 899        | 900  | 899     | 899          |
|                  |          |       |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        |              |         | •        | <del> </del> |                |          |         |         |         |         | <u> </u>    |            |      |         |              |
| <u> </u>         | i        |       |          |       |       |        |              |         |          |              |                |          |         | ·       |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         | ••           |
|                  |          |       | ļ        |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        |              |         |          |              |                |          | •       |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        |              |         |          | -            |                |          |         |         |         |         | <b></b> -   |            |      |         |              |
|                  |          |       |          |       |       |        |              | <br>    |          | <u> </u>     | <u> </u>       |          |         |         |         |         |             |            |      |         | <del>.</del> |
|                  |          |       | <u></u>  |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        | <u> </u>     |         |          | 1            |                |          |         |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        | <del> </del> |         |          | <u> </u>     | <del> </del> - |          |         |         |         |         |             |            |      | ļ       |              |
|                  |          |       | <u> </u> |       |       |        |              |         |          | ļ            |                | <u> </u> |         |         |         |         | ļ           |            |      |         |              |
|                  |          |       |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         |              |
|                  |          |       |          |       |       |        |              |         |          |              |                |          |         |         |         |         |             |            |      |         |              |
|                  |          | -     |          |       |       |        |              | -       | <u> </u> | <del> </del> |                |          | <b></b> |         |         |         |             |            |      |         |              |
| Element (X)      |          | Σχ'   |          |       | z x   |        | X            | •       |          | No. Ol       | , T            | <u></u>  |         |         | Mean N  | o, of H | aura wiel   | h Temperat | ure  | L       | L            |
| Rel. Hum.        |          |       | 3573     |       | 379   | 53     | 42.2         | 21.9    | 16       |              | 99             | ₫ 0      | Fi      | ± 32 F  | ≥ 67    |         | 73 F        | ≥ 80 F     | ≥ 93 | F       | Total        |
| Dry Bulb         |          | 239   | 4217     |       | 448   | 93     | 49,9         | 13.1    | 27       | 9            | 00             |          |         | 8,3     |         |         | 2.9         |            |      |         | 90           |
| Wet Bulb         |          | 139   | 5344     |       | 347   | 52     | 38.7         | 7.6     | 07       | 8            | 99             |          |         | 16.4    |         |         |             |            |      |         | 90           |
| Dew Point        |          | 58    | 18444    | 1     | 220   | 26     | 24.5         | 7,3     | 71       | 8            | 99             |          |         | 78.1    |         |         |             | L          |      |         | 90           |

Rel. Hum.

Dry Bulb Wet Bulb Dew Point

#### **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA  | LMSTI | ROM / |       | MT/G     |         | FAL     | LS         |         | 68-      | 77       |         | <del></del> | VE      | ARS     |           |          |           |          | AP       |           |
|------------------|-----|-------|-------|-------|----------|---------|---------|------------|---------|----------|----------|---------|-------------|---------|---------|-----------|----------|-----------|----------|----------|-----------|
| 31711011         |     |       |       | 3,    | A11011 H |         |         |            |         |          |          |         |             | 10,     |         |           |          | PAGI      | 1        | 1500-    | 1700      |
| Temp             |     | *     |       |       |          | WET     | BULB 1  | EMPER      | ATURE   | DEPRE    | SSION (  | F)      |             |         |         |           |          | TOTAL     |          | TOTAL    |           |
| (F)              | 0   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8    | 9 - 10  | 11 - 12 | 13 - 14    | 15 - 16 | 17 - 18  | 19 - 20  | 21 - 22 | 23 - 24     | 25 - 26 | 27 - 28 | 29 - 30   | ≥ 31     | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Paint |
| 84/ 83           |     |       |       |       |          |         |         |            |         |          |          |         |             |         |         |           | •1       | 1         | 1        |          |           |
| 82/81            |     |       |       |       |          |         |         |            |         |          |          |         | . 1         |         | .2      | .2        | •1       | 6         | 6        |          |           |
| 80/ 79           |     |       |       |       |          |         |         |            |         |          |          |         | .1          |         | •2      | .4        |          | 7         | 7        |          |           |
| 78/ 77           |     |       |       |       |          |         |         |            |         |          |          | • 1     | .1          | .3      | .1      |           |          | 6         | 6        |          |           |
| 76/ 75           | j   |       |       |       | l        |         |         |            |         | İ        |          |         | .3          | ,4      | • 2     |           |          | 9         | 9        |          |           |
| 74/ 73           |     |       |       |       |          |         |         |            |         | .1       | .1       | •4      | .3          | •6      |         |           |          | 14        | 14       |          |           |
| 72/ 71           | i   | ł     | - 1   |       |          |         | j       |            | .1      | .1       | •1       | 1.7     | 1.2         | .3      |         |           |          | 32        | 32       |          |           |
| 70/ 69           |     |       |       |       |          |         |         | • 1        | ,1      | .6       | • 2      | 1.1     | .6          | •4      |         |           |          | 28        | 28       |          |           |
| 68/ 67           | ĺ   | Ì     | į     |       | İ        | 1       |         |            | .1      | .4       | .9       | • 3     | • 7         |         |         | ł         |          | 22        | 22       |          |           |
| 66/ 65           |     |       |       |       |          |         | .1      |            | .1      | 1.4      | 1.0      | .4      |             |         |         |           |          | 31        | 31       |          |           |
| 64/ 63           | 1   | İ     | - 1   |       |          |         |         |            | .8      |          | 1.0      |         | .3          | 1       |         |           |          | 29        | 29       |          |           |
| 62/61            |     |       | i     |       |          |         | . 1     | .6         |         |          | ,7       |         |             |         |         |           |          | 35        | 35       |          |           |
| 60/ 59           |     | l     | -     |       |          |         | • 6     | • 9        |         |          | • 1      |         |             | İ       | į       |           |          | 54        | 54       |          |           |
| 58/ 57           |     |       |       |       |          | • 1     | . 3     | 1.4        |         | .7       |          |         |             |         |         |           |          | 36        | 36       | 1        |           |
| 56/ 55           | 1   | 1     |       |       | • 2      | • 3     | • 7     | 2.2        | 2.4     | .4       |          |         |             | 1       |         |           |          | 57        | 57       | 6        |           |
| 54/ 53           |     |       |       |       |          | • 2     | 1.3     | 2.3        | 1.9     |          |          |         |             |         |         |           |          | 56        | 56       | 9        |           |
| 52/ 51           | -   | ĺ     | -     | . 2   |          | 1,0     | 1.7     | 2.3        |         | ]        |          |         |             | -       |         | 1         |          | 57        | 57       | 27       |           |
| 50/ 49           |     |       |       | . 1   | • 2      | • 6     |         | 1.8        |         | • 1      |          |         |             |         |         |           |          | 40        | 40       | 45       |           |
| 48/ 47           |     | ļ     | • 1   | • 7   |          |         | 6.      | .8         | .8      |          |          |         |             |         |         | 1         |          | 48        | 48       | 69       |           |
| 46/ 45           |     |       | • 2   | . 8   | .6       |         | 2.0     |            |         |          |          |         |             |         |         | 1         |          | 47        | 47       | 63       |           |
| 44/ 43           |     | . 6   | • 6   | 1.3   | , 9      | • 7     | • 7     | • 2        |         |          |          |         |             | - 1     |         |           |          | 44        | 44       | 74       | 4         |
| 42/ 41           |     | . 2   | . 9   | 1.6   | 1.2      |         | •4      |            |         |          |          |         |             |         |         |           |          | 46        | 46       | 101      |           |
| 40/ 39           |     | - 1   | 1.3   |       |          | • 7     |         |            | 1       |          |          |         |             |         |         |           |          | 45        | 45       | 97       | 10        |
| 38/ 37           |     | .1.1  | 2.0   | • 4   | . 3      |         |         |            |         |          |          |         |             |         |         |           |          | 35        | 35       | 107      | 12        |
| 36/ 35           |     | . 8   | 1.3   | • 3   |          |         |         |            |         |          |          |         |             | ĺ       |         |           |          | 22        | 22       | 84       | 36        |
| 34/ 33           | • 3 | . 8   | • 3   | .4    |          |         |         |            |         | 1        |          |         |             |         |         |           |          | 17        | 17       | 75       | 41        |
| 32/ 31           | • 1 | • 4   | • 2   | • 3   |          |         |         |            |         |          |          |         | ^           |         |         |           |          | 10        | 10       | 52       | 50        |
| 30/ 29           | . 4 |       | •6    | .3    |          |         |         |            | L       | <u> </u> |          |         |             |         |         |           |          | 18        | 18       | 24       | 104       |
| 28/ 27           |     | 1.6   | 1.0   |       |          |         |         |            | 1       |          |          |         |             | Ī       |         |           |          | 23        | 23       | 15       | 123       |
| 26/ 25           | . 3 |       | • 1   |       |          |         |         |            |         |          |          |         |             |         |         |           |          | 7         | 7        | 22       | 95        |
| 24/ 23           |     | • 1   |       |       |          |         |         |            |         |          |          |         |             |         |         |           |          | 1         | 1        | 12       | 70        |
| 22/ 21           |     | . 2   |       |       |          |         |         |            |         |          |          |         |             |         |         |           |          | 2         | 2        | 2        | 82        |
| 20/ 19           |     | • 1   |       |       |          |         |         |            |         |          |          |         |             |         |         |           |          | 1         | 1        |          | 80<br>55  |
| 18/ 17           |     | • 2   |       |       |          |         |         |            |         | <u> </u> | <u> </u> |         |             |         |         |           |          | 2         | 2        | 1        | 55        |
| Element (X)      |     | Z x 2 |       |       | Z X      | $T^{-}$ | X       | <b>7</b> 2 | _[_     | No. Ob   | s.       |         | -           |         | Mean h  | lo. of Ho | urs with | Temperat  | ure      |          |           |

≤ 32 F

### **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION       | MAL | LMST       | ROM   | AFB<br>51 | MT/GI      | REAT   | FAL     | LS      |         | 68-     | 77      |         |         | YE      | ARS     |         | -    | PAGE       | 2        | AP<br>MON<br>1500- | TH       |
|-----------------------|-----|------------|-------|-----------|------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|------------|----------|--------------------|----------|
| Temp                  |     |            |       |           |            | WET    | BULB 1  | EMPER/  | TURE    | DEPRE   | SSION ( | F)      |         |         |         |         |      | TOTAL      |          | TOTAL              |          |
| (F)                   | 0   | 1 - 2      | 3 - 4 | 5 - 6     | 7 - 8      | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B.  | Dry Buib | Wet Bulb           |          |
| 16/ 15<br>14/ 13      | .2  | • 1<br>• 4 |       |           |            |        |         |         |         |         |         |         |         |         |         |         |      | 3<br>5     | 3<br>5   | 4 2                | 42<br>22 |
| 12/ 11<br>10/ 9       |     | .3<br>.1   |       |           |            |        |         |         |         |         |         |         |         |         |         |         |      | 3          | 3<br>1   | 6 2                | 25<br>12 |
| 8/ 7<br>6/ 5<br>4/ 3  |     |            |       |           |            |        |         |         |         |         |         |         |         |         |         |         |      |            |          |                    | 14       |
| 4/ 3<br>2/ 1<br>0/ -1 |     |            |       |           |            |        |         |         |         |         |         |         |         |         |         |         |      |            |          |                    | -        |
| DTAL                  | 1.6 | 8.2        | 8.7   | 8.8       | 5.2        | 6.7    | 10.3    | 13.21   | 2.9     | 8.3     | 4.1     | 4.1     | 4.1     | 2.1     | .8      | •7      | • 2  | 900        | 900      | 900                | 900      |
|                       |     |            |       |           |            |        |         |         |         |         |         |         |         |         |         |         |      |            |          |                    |          |
| ilement (X)           |     |            | 0860  |           | z x<br>362 |        |         | 22.2    |         | No. Ob  | 00      | = 0     | F       | ± 32 F  | ≥ 67    | F a     | 73 F | h Temperat | ≥ 93     |                    | · Otol   |
| Dry Bulb              |     | 251        | 6899  |           | 460        | 29     | 51.1    | 13.4    | 58      | 9       | 00      |         |         | 7,6     | 12      | .5      | 4.3  | • •        |          |                    | 9        |
| Vet Bulb              |     |            | 8950  |           | 352        |        |         | 7.5     |         |         | 00      |         |         | 14.2    |         |         |      |            |          |                    | 9        |
| Dew Point             |     | 57         | 0797  | 1         | 216        | 43     | 24.0    | 7.41    | 32      | .9      | 00      |         | •1      | 79.7    |         | - 1     |      |            | 1        |                    | 9        |

0.26-5 (OL A)

# **PSYCHROMETRIC SUMMARY**

| Temp (F) 78/ 77 76/ 75 74/ 73 72/ 71 70/ 69 68/ 67 66/ 63 62/ 61 60/ 59 58/ 57                          | 0 1-2            | 3 - 4 5 -   | - 6 7 - 8    | WET 9 - 10                                        | BULB T  |            |         | 17 - 18        |          |          | 23 - 24<br>• 2<br>• 1<br>• 3 | 25 · 26<br>• 2<br>• 2 | 27 - 28 2   | 29 - 30  | <b>≻</b> 21    | PAGE<br>TOTAL<br>S.a./w.B. | Dry Bulb<br>3<br>5 | 1800-<br>HOURS (L<br>TOTAL<br>Wer Bulb | . S. T.) |
|---------------------------------------------------------------------------------------------------------|------------------|-------------|--------------|---------------------------------------------------|---------|------------|---------|----------------|----------|----------|------------------------------|-----------------------|-------------|----------|----------------|----------------------------|--------------------|----------------------------------------|----------|
| (F)<br>78/ 77<br>76/ 75<br>74/ 73<br>72/ 71<br>70/ 69<br>58/ 67<br>56/ 65<br>54/ 63<br>52/ 61<br>50/ 59 | 0 1-2            | 3 - 4 5 -   | - 6 7 - 8    | 9 - 10                                            | 11 - 12 |            | 15 - 16 | 17 - 18        | 19 - 20  | •1<br>•1 | .2                           | •2                    |             | 9 - 30   | <u>&gt; 21</u> | 5.is./w.B.<br>3<br>5       | 3<br>5<br>3        |                                        | Dew P    |
| 78/ 77<br>76/ 75<br>74/ 73<br>72/ 71<br>70/ 69<br>78/ 67<br>76/ 65<br>74/ 63<br>72/ 61                  | 0 1-2            | 3 - 4 5 -   | - 6 7 - 8    |                                                   |         | 13 - 14    |         | .1             |          | •1       | .2                           | •2                    |             | 29 - 30  | > 21           | 3<br>5<br>3                | 3<br>5<br>3        | Wet Bulb                               | Dew P    |
| 76/ 75<br>74/ 73<br>72/ 71<br>70/ 69<br>58/ 67<br>56/ 65<br>54/ 63<br>52/ 61<br>50/ 59                  |                  |             |              |                                                   |         |            | .1      |                | •1       | •1       | .1                           |                       | • 1         |          |                | 5<br>3                     | 5<br>3             |                                        |          |
| 76/ 75<br>74/ 73<br>72/ 71<br>70/ 69<br>58/ 67<br>56/ 65<br>54/ 63<br>52/ 61<br>50/ 59                  |                  |             |              |                                                   |         |            | .1      |                | •1       | •1       | .1                           |                       |             |          |                | 3                          | 3                  |                                        | <u></u>  |
| 74/ 73<br>72/ 71<br>70/ 69<br>58/ 67<br>56/ 65<br>54/ 63<br>52/ 61                                      |                  |             |              |                                                   |         |            | .1      |                | •1       | •1       | .1                           |                       |             |          |                | - 1                        |                    |                                        |          |
| 70/ 69<br>68/ 67<br>66/ 65<br>64/ 63<br>62/ 61<br>60/ 59                                                |                  |             |              |                                                   | 1       | -          | .1      |                |          | .1       | . 3                          | 1                     | 1           |          |                | ا ما                       | 1                  |                                        |          |
| 68/ 67<br>66/ 65<br>64/ 63<br>62/ 61<br>60/ 59                                                          |                  |             |              |                                                   | 1       |            |         | 1              |          |          |                              |                       |             |          |                | 6                          | 6                  |                                        |          |
| 66/ 65<br>64/ 63<br>62/ 61<br>60/ 59                                                                    |                  |             |              |                                                   | - 1     | 1          |         | .1             | .2       | •7       |                              |                       |             |          |                | 9                          | 9                  | ĺ                                      |          |
| 64/ 63<br>62/ 61<br>60/ 59                                                                              |                  |             |              |                                                   | _ 1     | 1          | .3      | .2             |          | • 2      | .2                           |                       |             |          |                | 18                         | 18                 |                                        |          |
| 52/ 61<br>50/ 59                                                                                        |                  |             |              |                                                   | • •     |            |         | . 8            | .2       | • 2      |                              |                       |             |          |                | 12                         | 12                 |                                        |          |
| 50/ 59                                                                                                  |                  |             | 1            | • 1                                               | .1      | .1         | •6      | 1.0            | .6       | -4       |                              |                       |             |          |                | 26                         | 26                 |                                        |          |
|                                                                                                         |                  |             | j            |                                                   | •2      | • 1        | .6      |                | .3       | • 1      |                              | T                     |             |          |                | 21                         | 21                 | 1                                      |          |
| 9/ 57                                                                                                   |                  |             |              | . 1                                               | .6      | .7         | 1.0     | .6             |          |          |                              |                       |             |          |                | 26                         | 26                 |                                        |          |
| 10/ 2/1                                                                                                 | 1                |             | • 1          | • 1                                               | .8      | 1.7        | 1.2     | .3             | -1       |          |                              |                       |             |          |                | 39                         | 39                 |                                        |          |
| 56/ 55                                                                                                  | i                |             |              | • 7                                               |         | 1.3        | 1.4     |                |          |          | !                            | !                     | i           |          |                | 43                         | 43                 | 3                                      |          |
| 54/ 53                                                                                                  | 1 1              |             | , 8          | • 4                                               | 1.6     | 1.8        | .7      | .1             |          |          |                              | ĺ                     |             | 1        |                | 48                         | 48                 | 3                                      |          |
| 52/ 51                                                                                                  |                  | • 2         | .2 .3        | 1.6                                               |         | 1.1        | .3      |                |          |          |                              |                       |             |          |                | 58                         | 58                 | 13                                     |          |
| 50/ 49                                                                                                  | ! !              | • 2         | •1 •4        | 1,3                                               | 1.7     | 1.3        |         | ,1             |          | i        | İ                            | - 1                   | - 1         | 1        |                | 47                         | 47                 | 18                                     |          |
| 8/ 47                                                                                                   |                  |             | .2 1.1       | 1.2                                               | 2.1     | .6         | .1      |                |          |          |                              |                       |             |          |                | 50                         | 50                 | 41                                     |          |
| 46/ 45                                                                                                  | 1 1              | •3          | .8 2.2       |                                                   |         | . 3        | .2      |                | 1        | - 1      | !                            |                       | ļ           | 1        |                | 87                         | 87                 | 52                                     |          |
| 44/ 43                                                                                                  | <u> </u>         | .6 1        | .0 .9        | 2.3                                               | .4      | • 1        |         |                |          |          |                              |                       |             |          |                | 49                         | 49                 | 68                                     |          |
| 42/ 41                                                                                                  | • 4              |             | .6 1.4       | - ; -                                             |         | • 1        |         | İ              | li       | - 1      |                              | ľ                     |             |          |                | 57                         | 57                 | 83                                     |          |
| 40/ 39                                                                                                  | .7               |             | 1.1 1.7      |                                                   | •Ž      |            |         |                |          | }        |                              |                       | 1           |          |                | 58                         | 58                 | 87                                     |          |
| 38/ 37                                                                                                  | 1.1              |             | .8           |                                                   |         |            |         |                |          | - 1      |                              | ŀ                     |             |          |                | 55                         | 55                 | 109                                    | - 3      |
| 36/ 35                                                                                                  | .1 1.8           |             | .4 .2        |                                                   |         |            |         | <u> </u>       | L ,      |          | 4                            | . —— إ                |             |          |                | .44                        | 44                 | 104                                    |          |
| 34/ 33                                                                                                  | .1 1.4           | - ' '       | .3 .2        | •1                                                |         |            |         | ļ              |          | ]        | į                            | i                     | 1           | į        |                | 35                         | 35                 | 104                                    | -        |
| 32/ 31                                                                                                  | .3 .7            | - 8         | <u>•4</u> •1 |                                                   |         |            |         | <u></u>        | <u> </u> |          |                              |                       |             |          |                | 21                         | 21                 | 75                                     |          |
| 30/ 29                                                                                                  | .3 .9            |             | - 1          | 1                                                 |         |            |         |                | 1        | j        | ŀ                            | ľ                     | j           | 1        |                | 16                         | 16                 | 41                                     | •        |
| 28/ 27                                                                                                  | 1.7              |             | •2           | <u> </u>                                          |         |            |         | <u> </u>       |          | 4        | 4                            |                       |             |          |                | 20                         | 20                 | 30                                     | 1        |
| 26/ 25                                                                                                  | .7 .9            | • 4         |              |                                                   |         |            |         |                | į i      | [        |                              | ĺ                     | ļ           |          |                | 18                         | 18                 | 25                                     |          |
| 24/ 23                                                                                                  | .6               | •2          |              | <u> </u>                                          |         | ļ          |         | <del> </del> - |          |          |                              |                       | _ 4         |          |                | 7                          | 7                  | 14                                     | (        |
| 22/ 21                                                                                                  | .3               |             |              | 1                                                 | [ ]     |            |         |                | ]        |          | - [                          | ĺ                     |             |          |                | 3                          | 3                  | 11                                     |          |
| 20/ 19                                                                                                  |                  |             |              | <u> </u>                                          |         |            |         | <b>ļ</b>       |          |          |                              |                       |             |          |                | 1                          | 1                  | 4                                      |          |
| 18/ 17                                                                                                  | 1 • 1            |             |              |                                                   |         |            |         |                |          | ł        |                              |                       |             |          |                | 1                          | 1                  | _                                      |          |
| 16/ 15                                                                                                  | -4 -1            | ļļ_         |              |                                                   |         |            |         |                | <b> </b> |          |                              |                       |             |          |                | 5                          |                    | 5                                      |          |
| 14/ 13<br>12/ 11                                                                                        | •6               |             |              |                                                   |         |            |         |                |          |          |                              |                       |             |          |                | 5                          | 5<br>1             | 1 5                                    |          |
| lement (X)                                                                                              | Z <sub>X</sub> 2 | <del></del> | ZX           | <del>'                                     </del> | X       | <b>7</b> 8 | 'Т      | No. 01         | )s.      |          |                              |                       | Mean N      | o, c! Ha | urs wit        | h Temperat                 | ure .              |                                        |          |
| el. Hum.                                                                                                |                  |             |              | -                                                 |         | <b>-</b>   | -       |                |          | ± 0 F    |                              | 32 F                  | ≥ <b>67</b> |          | 73 F           | = 80 F                     | × 93               | : 1                                    | Tetal    |

A 0.26.5 (OLA) REVISED MENOUS EDITIONS OF THIS FORM

ETAC PORM 0.26.5 (OLA)

نيـــــ

#### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS 68-77 YEARS 1800-2000 PAGE 2 HOURS (L. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dr, Bulb Wet Bulb Dew Poin 10/ 20 8/ 12 6/ II 4/ 3 6 2/ 1 0/ -1 -2/ -3 2.211.713.1 8.210.413.314.8 9.2 6.6 4.4 2.6 2.0 TOTAL 900 900 900 900 憿 Element (X) ZX' No. Obs. ¥ Mean No. of Hours with Temperature 2490642 43028 900 47.821.960 ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 93 F Total 2030489 41377 Dry Bulb 46.011.942 900 10.1 21.5 90 36.8 7.425 900 Wet Bulb 1269489 33135 90 Dew Poirt 596204 22042

0-26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SAFETAC FORM 0.26

574.<sub>1</sub>

# PSYCHROMETRIC SUMMARY

| 4112<br>STATION  | MA           | LMST  | ROM / | AFB   | MT/G                                          | REAT        | FAL     | LS         |              | 68-          | 77  |                |        | YE      | ARS     |           |          |            |          | AP       | 'R    |
|------------------|--------------|-------|-------|-------|-----------------------------------------------|-------------|---------|------------|--------------|--------------|-----|----------------|--------|---------|---------|-----------|----------|------------|----------|----------|-------|
|                  |              |       |       | -     |                                               | ·····•      |         |            |              |              |     |                |        | • -     |         |           |          | PAGE       | 1        | 2100-    | -230  |
| Temp.            |              |       |       |       |                                               |             |         |            | ATURE        |              |     |                |        |         |         |           |          | TOTAL      |          | TOTAL    |       |
| (F)              | 0            | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8                                         | 9 - 10      | 11 - 12 |            | +            |              |     | 21 - 22 2      | 3 - 24 | 25 - 26 | 27 - 28 | 29 - 30   | ≥ 31     | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew P |
| 66/ 65           | 1            | 1     |       |       |                                               |             |         | •1         | •1           | .1           | •1  |                | l      |         |         |           |          | 4 1        | 4        |          |       |
| 62/ 61           |              |       |       |       |                                               |             | •2      | .2         | .2           | .1           |     |                |        |         |         |           |          | 7          | 7        |          |       |
| 60/ 59           |              |       |       |       |                                               | •1          | • 3     | .2         |              | • 1          |     |                |        |         |         |           | ļ        | 10         | 10       | 1        |       |
| 58/ 57<br>56/ 55 |              |       |       |       |                                               | •2          | •7      | • ċ        |              | •1           |     |                | - [    |         |         |           |          | 18<br>11   | 18       |          |       |
| 54/ 53           | <del> </del> |       |       |       |                                               | .9          |         | .6         |              |              |     |                |        |         |         |           |          | 28         | 28       | 1        |       |
| 52/ 51           |              |       |       | . 1   | ,4                                            | 1.7         | 1.3     | .8         | .1           |              |     |                | l      |         |         |           | ļ        | 40         | 40       |          |       |
| 50/ 49           |              |       | • 3   | . 1   |                                               |             |         | •1         |              |              |     |                |        |         |         |           |          | 35         | 35       |          |       |
| 48/ 47           |              | • 1   | • 3   | . 4   | 2,7                                           |             |         |            |              |              |     |                |        |         |         |           |          | 43         | 43       |          |       |
| 46/ 45           |              | .3    | •4    | 1.7   | 3.1                                           | 1,6         |         | • 1        |              |              |     |                |        |         |         |           |          | 61<br>63   | 61<br>63 |          |       |
| 42/ 41           |              | .7    | .8    | 2.2   | 2,2                                           | 1.1         |         |            |              |              |     | <del></del>    |        |         |         | -         |          | 64         | 64       |          |       |
| 40/ 39           |              | 1.0   | 3.2   | 2.2   | 2.9                                           | ,9          |         |            |              | ļ            |     |                | ł      |         |         |           |          | 91         | 92       |          |       |
| 38/ 37           | . 1          | 1.3   | 2.4   | 1.6   | 1.7                                           | •3          |         |            |              |              |     |                |        |         |         |           |          | -67        | 67       | 94       |       |
| 36/ 35           | . 2          | 2.8   | 2.4   | 1.9   | .9                                            | • 1         |         |            |              |              |     |                |        |         |         |           | ļ        | 75         | 75       |          |       |
| 34/ 33           | . 4          |       | 2.0   | 1.8   |                                               |             |         |            |              |              |     |                | 1      |         |         |           |          | 77         | 77       |          |       |
| 32/ 31<br>30/ 29 | • 6          |       |       | 1.2   |                                               |             |         |            | -            |              | ļ   |                |        |         |         |           | -        | 56<br>38   | 56<br>38 |          | 10    |
| 28/ 27           | . 1          |       | .9    | 1.0   |                                               |             |         |            |              |              |     |                |        |         |         |           |          | .33        | 33       |          | 1     |
| 26/ 25           | 1.1          | 1.3   | • 1   | .2    |                                               |             |         |            |              |              |     |                |        |         |         |           |          | 25         | 25       | 51       | 1     |
| 24/ 23           |              | .9    | . 3   | • 1   |                                               |             |         |            |              | ļ            |     |                |        |         |         | ļ         | ļ        | 12         | 12       |          |       |
| 22/ 21           | İ            | 1.1   | • 4   |       |                                               |             |         |            |              |              |     |                | -      |         |         |           |          | 14         | 14       |          | ,     |
| 20/ 19<br>18/ 17 |              | · •9  |       |       |                                               |             |         |            |              | <u> </u>     |     | -              |        |         |         |           | -        | 8          | <u>8</u> |          |       |
| 16/ 15           | . 3          | "     | . 1   |       |                                               |             |         |            |              |              |     |                | - 1    |         |         |           |          | 3          | 3        |          |       |
| 14/ 13           | -            | .2    |       |       |                                               |             |         |            |              |              |     |                |        |         |         |           |          | 2          | 2        |          |       |
| 12/ 11           | 2            | .2    |       |       |                                               | ļ           |         |            |              |              | ļ   |                |        |         |         |           |          | 4          | 4        | 5        |       |
| 10/ 9            | j            | ,     | .     |       | İ                                             | į           |         |            |              |              | 1   |                | 1      |         |         | ĺ         |          | .          | •        |          |       |
| 8/ 7<br>6/ 5     |              | • 1   |       | -,    | <b></b>                                       | <del></del> |         |            | <del> </del> | <del> </del> |     | <del>  -</del> |        |         |         |           |          | 1          | -+       |          |       |
| 4/ 3             | . 1          |       |       |       | <b>,</b> 1                                    |             |         |            |              |              |     |                | 1      |         |         | ĺ         |          | l î        | i        | 2        | i     |
| 2/ 1             |              |       |       |       |                                               |             |         |            |              |              |     |                |        |         |         |           |          |            | -        |          |       |
| -4/ -5           | • 1          | ZX2   |       |       | Σχ                                            | <del></del> | X       |            | <u> </u>     | No. O        |     | L              |        |         |         | - 44      |          | h Temperat | <u> </u> | 1        |       |
| Rel. Hum.        |              | ~ X - |       |       | <u>~ x                                   </u> |             | X       | <b>"</b> x |              | NO. U.       | 18. |                |        |         | Mean    | 40. OT IT | 0018 W11 | y lembero: | Ure      |          |       |

RM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE

C

SAFETAC FORM

Wet Bulb

| let Bulb     |                                       |       | 4285<br>8800 |       | 299     | 145          | 33.3<br>24.6 | 7.2        | 22        |         | 99<br>99                                      |           | •3       | 38.0<br>79.9                                     |         | _ _      |                                                  | ļ             | <del>- </del> |       | 9     |
|--------------|---------------------------------------|-------|--------------|-------|---------|--------------|--------------|------------|-----------|---------|-----------------------------------------------|-----------|----------|--------------------------------------------------|---------|----------|--------------------------------------------------|---------------|---------------|-------|-------|
| ry Bulb      |                                       | 146   | 7307         |       | 352     | 25           | 39.1         | 9.9        | 41        |         | 00                                            |           | .3       | 20,4                                             |         |          |                                                  |               |               |       | 9     |
| el. Hum.     | · · · · · · · · · · · · · · · · · · · | 349   | 9551         |       | 532     | 35           | 59.2         | 19.6       | <b>63</b> | 8       | 99                                            | ± 0       | F        | ≤ 32 F                                           | ≥ 67    |          | 73 F                                             | - 80 F        | ≥ 93 F        | -   - | otal  |
| lement (X)   |                                       | Σχ²   |              |       | Z X     | 1            | X            |            | <u> </u>  | No. Ob  | <u>.                                     </u> | <u> </u>  | <u> </u> |                                                  | Mean A  | lo, of H | ours wi                                          | th Temperat   | ure i         |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  | 1             |               |       |       |
|              | Ì                                     |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              | ļ     |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               | <b></b> - |          | +                                                |         |          | <del>                                     </del> |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               | <u> </u>  | <u> </u> |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              |       |         | <u> </u>     |              |            |           |         |                                               | -         |          | -                                                |         |          | <del> </del>                                     |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          | 1                                                | T1            |               |       |       |
|              |                                       |       |              |       |         |              |              |            | :         |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       | -            |       |         | <b></b>      |              |            |           |         |                                               |           |          | -                                                |         |          | <u> </u>                                         |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          | <del>                                     </del> |         |          | <u> </u>                                         | <del>  </del> |               |       |       |
|              | ļ                                     |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          | <u> </u>                                         |               |               |       |       |
|              |                                       |       |              | ļ     |         | <del> </del> |              |            |           |         |                                               |           |          | -                                                |         |          | -                                                |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          | -                                                |         |          | <del>                                     </del> | <del> </del>  |               |       |       |
|              |                                       |       |              | <br>  |         |              |              |            |           |         |                                               |           | <u> </u> | 1                                                |         |          | <del>                                     </del> |               |               |       |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
| -            |                                       |       |              |       | -       |              |              |            | -         | ·       |                                               |           |          |                                                  |         |          |                                                  | 899           |               | 899   |       |
| 0/-21<br>TAL | 4.0                                   | 20.9  | 16.9         | 16.2  | 15.7    | 13.8         | 7.1          | 3.1        | 1.6       | ,6      | • 1                                           |           |          | -                                                |         |          |                                                  |               | 900           |       | 89    |
| 4/-15        |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  |               |               |       |       |
| 6/ -7        | • 1                                   | •1    |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  | "             | 2             | 2     |       |
| (F)          | 0                                     | 1 - 2 | 3 - 4        | 5 - 6 | 7 - 8   | 9 - 10       | 11 - 12      | 13 - 14    | 15 - 16   | 17 - 18 | 19 - 20                                       | 21 - 27   | 23 - 2   | 25 - 26                                          | 27 - 28 | 29 - 30  | ≥ 31                                             | D.B./W.B.     |               |       | Dew P |
| Temp         |                                       |       |              | ,     |         |              | BULB 1       |            |           |         |                                               |           |          |                                                  |         |          |                                                  | TOTAL         |               | TOTAL |       |
|              |                                       |       |              |       |         |              |              |            |           |         |                                               |           |          |                                                  |         |          |                                                  | PAGE          | : 2           | 2100- | 5. 7. |
| STATION      |                                       |       |              | S     | ATION N | REAT         |              |            |           |         |                                               |           |          | YE                                               | ARS     |          |                                                  |               |               | AF    |       |
| 116          | 1,154                                 | にいつい  | NUIT         | 71 0  | M       | U.P. U.      | 1.46         | <b>~</b> 3 |           | 00      | ,,                                            |           |          |                                                  |         |          |                                                  |               |               | ~.    | • • • |

### **PSYCHROMETRIC SUMMARY**

| STATION        | <u> </u>   | LMSTI         | ROM   |            | ATION H |        | FAL     | LS        |                                                  | <u>68-</u>   | 77           |             |         | YE          | ARS           |         |      |            |            |            | PR ·              |
|----------------|------------|---------------|-------|------------|---------|--------|---------|-----------|--------------------------------------------------|--------------|--------------|-------------|---------|-------------|---------------|---------|------|------------|------------|------------|-------------------|
|                |            |               |       |            |         |        |         |           |                                                  |              |              |             |         |             |               |         |      | PAG        | 1          | HOURS (    | L L.<br>L. S. T.) |
| Temp.          |            |               |       |            |         | WET    | BULB    | TEMPER    | ATURE                                            | DEPRE        | SSION (      | F)          |         |             |               |         |      | TOTAL      |            | TOTAL      |                   |
| (F)            | 0          | 1 - 2         | 3 - 4 | 5 - 6      | 7 - 8   | 9 - 10 | 11 - 12 | 13 - 14   | 15 - 16                                          | 17 - 18      | 19 - 20      | 21 - 22     | 23 - 24 | 25 - 26     | 27 - 28       | 29 - 30 | ≥ 31 | D.B./W.B.  | Dry Bulb   | Wet Bulb   | Dew Po            |
| 4/83           |            |               |       |            |         |        | !       |           | 1                                                |              |              |             |         |             |               |         | •0   | 1          | 1          |            |                   |
| 2/81           |            |               |       |            |         |        |         |           | <u> </u>                                         |              |              |             | •0      |             | •1            | •0      | •0   |            | 10         |            |                   |
| 0/ 79          |            |               |       |            |         |        |         |           |                                                  | İ            |              |             | •0      | •0          |               | • 1     |      | 12         | 12         |            |                   |
| 8/ 77<br>6/ 75 |            |               |       |            |         |        |         |           |                                                  |              |              | •0          | -0      | <u>•1</u>   | •0            |         |      | 13         | 13         |            |                   |
| 4/ 73          |            |               |       |            |         |        |         |           |                                                  | .0           | i ,          | •0          | .1      | • 2         | •v            |         |      | 21         | 21<br>34   |            |                   |
| 2/ 71          |            |               |       | -          |         |        |         |           | .0                                               | 7            |              | • 4         | .3      | •1          |               | -       |      | 60         | 60         |            |                   |
| 0/ 69          |            |               |       | }          |         |        |         | .0        |                                                  |              | .2           | .3          | . 2     | ì           |               |         |      | 67         | 67         |            |                   |
| 5/ 67          |            |               |       |            |         |        |         | •0        |                                                  | .1           | .4           | •1          | , 2     |             |               |         |      | 69         | 69         |            |                   |
| 6/ 65          |            |               |       |            |         |        | •0      | .0        |                                                  | .5           | .3           | 2           | .0      |             |               |         |      | 89         | 89         |            |                   |
| 4/ 63          |            |               |       |            | ·       | • 0    | .0      | • 1       |                                                  | .6           | .3           | •1          | .1      |             |               |         |      | 114        | 114        |            |                   |
| 2/ 61          |            |               |       |            |         | •0     | .1      | 3         |                                                  | 1 . 5        | .2           | 0           |         |             |               |         |      | 122        | 122        |            |                   |
| 0/ 59          |            | }             |       |            | •0      | • 1    | . 3     | • 5       |                                                  |              |              |             |         |             | 1 1           |         |      | 168        | 168        |            |                   |
| 3/ 57          |            |               |       |            | •0      | •2     | .5      | . 9       |                                                  | .3           |              |             |         | <del></del> |               |         |      | 198        | 198        | 1          |                   |
| 5/ 55          |            |               |       | _          | • 1     | • 4    | 1.1     | 1.1       |                                                  |              |              |             |         |             |               |         |      | 233        | 233        | 10         |                   |
| 2/ 51          |            | - <del></del> | • 0   | •2         | • 4     | 1.0    |         |           | .6                                               |              |              |             |         |             | <del>  </del> |         |      | ·301       | 267<br>301 | 26<br>72   | <del> </del>      |
| 7/ 49          |            |               | . 1   | .3         | 5       | 1.3    | 1.3     | .6        |                                                  | .0           |              | 1           |         |             | !!            |         |      | 298        | 298        | 140        |                   |
| 8/ 47          |            | •0            | • 2   | .5         | , 9     |        |         | .4        |                                                  |              | <del> </del> |             |         |             |               |         |      | 340        | 340        | 235        |                   |
| 5/ 45          |            | .1            | . 4   | .7         | 2,0     | 1.6    | 1.3     | .4        |                                                  |              |              | l i         |         |             |               |         |      | 467        | 467        | 289        |                   |
| 4/ 43          |            | .3            | •6    | 1.4        | 1.6     | 1.3    | .3      | .1        | <del></del>                                      |              |              |             |         |             |               |         |      | 394        | 394        | 391        |                   |
| 2/ 41          | .0         |               | 1.0   | 1.7        |         | . 8    | .3      | •0        |                                                  |              |              |             |         |             |               |         |      | 420        | 420        | 505        | 3                 |
| 0/ 39          | _          | . 8           | 2.1   | 2.0        |         | • 7    | •0      |           |                                                  | !            |              |             |         |             |               |         |      | -541       | 543        | 578        |                   |
| 8/ 37          | 2          |               | 2.4   | 1.6        | 101     | • 2    |         |           |                                                  | <u> </u>     |              |             |         |             | <u> </u>      |         |      | 470        | 470        | 719        | 13                |
| 6/ 35          | .2         |               | 2.4   | 1.6        |         | • 1    |         |           |                                                  |              |              |             |         |             |               |         |      | 475        | 475        | 778        | 24                |
| 4/ 33<br>2/ 31 |            |               | 2.1   | 1.5        | , 3     | • 1    |         |           |                                                  |              |              |             |         |             |               |         |      | 481        | 481<br>376 | 767        | 30<br>5:          |
| 7 29           | • 5        | 1.5           | 1.3   | • 8<br>• 5 |         |        |         |           |                                                  |              |              |             |         |             |               |         |      | 376        | 277        | 764<br>016 | 87                |
| 8/ 27          | .3         |               | 1.3   | • 5        |         |        |         |           | <del>                                     </del> | <del> </del> | <del> </del> | ┝╌┤         |         |             | <del>  </del> |         |      | 262        | 262        | 342        | 90                |
| 6/ 25          | . 4        |               | . 6   | .0         |         |        |         |           |                                                  |              |              |             |         |             |               |         |      | 180        | 180        | 277        | 78                |
| 4/ 23          | , 3        |               | • 2   | •0         |         |        |         |           | · ·                                              |              |              |             | 7       |             |               |         |      | 106        | 106        | 227        | 5                 |
| 2/ 21          | , 1        | ,6            | • 1   |            |         |        |         |           |                                                  |              |              |             |         |             | <u> </u>      | i       |      | .64        | 64         | 139        | 6                 |
| 0/ 19          | . 2        |               | • 1   |            |         |        |         |           | Ĭ                                                |              | l            |             |         |             |               |         |      | -60        | 60         | 80         | 5:                |
| 3/ 17          | <u>, 2</u> | _ 4           | •0    |            |         | L.,    |         |           |                                                  |              |              |             |         |             |               |         |      | 45         | 45         | 52         | 40                |
| ment (X)       |            | Z X2          |       |            | Σχ      | 4      | X       | <b>₹</b>  |                                                  | No. Ol       | )s.          |             |         |             | <del>,</del>  |         |      | h Temperat |            |            |                   |
| . Hum.         |            |               |       |            |         |        |         |           |                                                  |              |              | ± 0 F       | 1       | 32 F        | ≥ 67          | F   2   | 73 F | 2 80 F     | ≥ 93 I     | -          | Total             |
| Bulb<br>Bulb   |            |               |       | -          |         |        |         | <b> </b>  |                                                  | ···          |              | <del></del> |         |             | <u> </u>      |         |      | <u> </u>   |            |            |                   |
| w Point        | -          |               |       | <u> </u>   |         |        |         | <b></b> - |                                                  |              |              |             |         |             |               |         |      |            | +          |            |                   |
|                |            |               |       |            |         |        |         | Ļ         |                                                  |              |              |             |         |             | L             |         |      | <u></u>    |            |            |                   |

THE STANDARD REVIOUS BUILDING OF THIS FORM AND THE CHANGE

FORM 0-26-5 (OL A)

JSAFETAC №

| 24112              | <u>MM</u> | LMST  | KUII  | 51         | TATION N     | AME                                              | TAL            | <u> </u>                                         |                | 00-      | 11       |                                                  |             | YC       | ARS     |         |                |           | <del></del>     | A MO     |
|--------------------|-----------|-------|-------|------------|--------------|--------------------------------------------------|----------------|--------------------------------------------------|----------------|----------|----------|--------------------------------------------------|-------------|----------|---------|---------|----------------|-----------|-----------------|----------|
|                    |           |       |       |            |              |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         |                | PAGE      | 2               |          |
|                    |           |       |       |            |              |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         |                | ,,        |                 | HOURS (  |
| Temp               |           |       |       | ,          | ,            |                                                  | BULB           |                                                  |                |          |          |                                                  |             | ······   |         |         | ,              | TOTAL     |                 | TOTAL    |
| (F)                | 0         | 1 - 2 | 3 - 4 | 5 - 6      | 7 - 8        | 9 - 10                                           | 11 - 12        | 13 - 14                                          | 15 - 16        | 17 - 18  | 19 - 20  | 21 - 22                                          | 23 - 24     | 25 - 26  | 27 - 28 | 29 - 30 | ≥ 31           | D.B./W.B. |                 |          |
| 16/ 15             | . 3       | • 2   |       |            |              |                                                  | ŀ              |                                                  |                |          |          | <b>[</b>                                         |             |          |         |         |                | 34        | 34<br>37        | 53       |
| 14/ 13             | • 1       |       |       |            |              |                                                  | <del> </del>   | -                                                |                |          |          | <del>  </del>                                    |             |          |         |         | -              | 31        | $\frac{37}{31}$ | 29       |
| 10/ 9              | .3<br>.2  |       |       |            |              |                                                  |                |                                                  |                |          |          | i i                                              |             |          |         |         | ľ              | 17        | 17              | 41<br>21 |
| 8/ 7               | .2        |       |       | <b> </b>   |              | <del> </del> -                                   | <del> </del>   | <del> </del>                                     | <del> </del>   |          |          | <del>  </del>                                    |             |          |         |         | <del> </del>   | 17        | $-\frac{1}{17}$ | 18       |
| 6/ 5               | . 1       | .ŏ    |       |            |              |                                                  |                |                                                  |                |          |          | 1                                                |             |          |         |         |                | 8         | å               | 8        |
| 4/ 3               | • 1       |       |       |            |              |                                                  | <del> </del> - |                                                  | <del> </del>   |          |          |                                                  |             |          |         |         | <del> </del>   | 4         | 4               | 5        |
| 2/ 1               | • 0       |       |       |            |              | ļ                                                |                |                                                  |                |          |          |                                                  |             |          |         |         |                | 2         | Ž               | 2        |
| 0/ -1              | . 1       |       |       |            |              |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         |                | 5         | <u> </u>        | 5        |
| -2/ -3             | • 0       |       |       |            | L            |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         | <u></u>        | 1         | 1               | 1        |
| -4/ -5             | •0        |       |       |            |              |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         |                | 1         | 1               | 1        |
| -6/ -7             | • 0       |       |       |            |              |                                                  | <u> </u>       |                                                  |                |          |          | ļl                                               |             |          |         |         | ļ              | 4         | 4               | 4        |
| -8/ -9             | • 0       |       |       |            |              |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         |                | 2         | 2               | 2        |
| -10/-11<br>-12/-13 |           |       |       |            |              |                                                  | <del> </del>   | ļ                                                | <b></b>        | <u></u>  |          |                                                  |             |          |         |         | ļ              |           |                 |          |
| -14/-15            |           |       |       |            |              |                                                  |                |                                                  |                |          |          |                                                  |             |          |         |         |                | 1         |                 |          |
| -20/-21            |           |       |       |            |              | <del> </del>                                     | <del> </del>   | <del> </del>                                     | <del> </del> - |          |          | <del>                                     </del> |             |          |         |         | <del> </del>   |           |                 |          |
| TOTAL              | 4.6       | 17.6  | 16.0  | 13.2       | 11.4         | 9.7                                              | 8.5            | 6.6                                              | 4.7            | 2.8      | 1.7      | 1.4                                              | 1.0         | . 5      | .2      | . 1     | .0             | i         | 7200            |          |
|                    |           |       | 3000  |            |              | 1                                                | 1              |                                                  | 1              | 2.00     | • • •    |                                                  |             |          |         |         | 1              | 7198      |                 | 7198     |
|                    |           |       |       |            |              | 1                                                |                |                                                  |                |          |          |                                                  |             |          |         |         | 1              |           |                 |          |
|                    |           |       |       |            |              |                                                  | T -            |                                                  |                |          |          |                                                  |             |          |         |         |                |           |                 |          |
|                    |           |       |       |            | ļ            | ļ                                                |                | ļ                                                | <u> </u>       |          |          |                                                  |             |          |         |         | <u> </u>       |           |                 |          |
|                    |           |       |       |            |              | ļ                                                |                |                                                  |                |          |          |                                                  |             |          |         |         |                |           |                 |          |
|                    |           |       |       |            | <del></del>  | ļ                                                | <del> </del>   | <u> </u>                                         | <del> </del>   | ļ        | ļ.——     | <del>                                     </del> |             |          |         |         | <del> </del>   |           |                 |          |
|                    |           |       |       |            |              | 1                                                |                | 1                                                | ė.             |          | •        | ]                                                |             |          |         |         |                |           |                 | i        |
|                    |           | ļ     |       |            |              | <del></del>                                      | -              | <del>                                     </del> | ∤              | 1        | <u> </u> | <del>  </del>                                    |             |          |         |         | · <del> </del> | <b></b>   |                 | <u> </u> |
|                    |           |       |       |            | İ            |                                                  | 1              |                                                  |                | }        |          |                                                  | !           |          |         |         | 1              | [         |                 |          |
|                    |           |       |       |            |              | <del>                                     </del> |                | 1                                                |                |          | ļ —      |                                                  |             |          |         |         | 1              |           |                 |          |
|                    |           |       |       |            |              |                                                  |                | <u> </u>                                         | <u> </u>       | <u>L</u> |          |                                                  |             |          |         |         |                |           |                 |          |
| ,                  | . —       |       |       |            |              |                                                  |                |                                                  |                | 1        |          |                                                  |             |          |         |         |                |           |                 |          |
|                    |           | ļ     | ļ     | <b> </b> _ | <del> </del> | ļ                                                | ļ              | <b></b>                                          | <del> </del>   |          | ļ        | <b>  </b>                                        |             | <b> </b> |         |         | <u> </u>       |           |                 | ļ        |
|                    |           |       |       |            |              | !                                                |                |                                                  | 1              |          |          |                                                  |             |          |         |         |                |           |                 |          |
| Element (X)        | ·····     | Z X 2 |       |            | Σχ           |                                                  | ¥              | •,                                               |                | No. Ob   |          |                                                  | <del></del> |          | Mean N  | o. of H | ours wit       | Temperat  | ure             |          |
| Rel. Hum.          |           | 2504  |       |            | 3927         |                                                  | 54.6           | 23.4                                             | 31             | 71       | 98       | ⊴ 0 1                                            |             | 32 F     | ≥ 67    |         | 73 F           | = 80 F    | ≥ 93            | F        |
| Dry Bulb           |           | 1396  |       |            | 3033         |                                                  |                | 12.6                                             |                |          | 20       |                                                  | ·3 1        | 53,3     | 28      | •7      | 9.1            | 1.0       | 5               |          |
| Wet Bulb           |           |       | 6131  |            | 2495         |                                                  |                | 8.1                                              |                |          | 98       |                                                  | 3 2         | 68,      | ļ       |         |                |           |                 |          |
| Dew Point          |           | 467   | 3076  |            | 1751         | 70                                               | 24.3           | 7,5                                              | 000            | 71       | 98       | 1                                                | .7 6        | 37,3     |         |         |                | L         |                 |          |

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTROM AFB

|                       |          |          |              | 31    | ALION N    | ME     |         |            |         | 68-           |         |                                                  |                 | YE      | AR5     |         |            |             |          | MON      | /TH   |
|-----------------------|----------|----------|--------------|-------|------------|--------|---------|------------|---------|---------------|---------|--------------------------------------------------|-----------------|---------|---------|---------|------------|-------------|----------|----------|-------|
|                       |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         |         |         |            | PAGE        | . 1      | 0000-    | ·020  |
| Temp                  |          |          |              |       |            | WET    | BULB 1  | TEMPER     | ATURE   | DEPRE         | SSION   | (F)                                              |                 |         |         |         |            | TOTAL       |          | TOTAL    |       |
| (F)                   | 0        | 1 - 2    | 3 - 4        | 5 - 6 | 7 - 8      | 9 - 10 | 11 - 12 | 13 - 14    | 15 - 16 | 17 - 18       | 19 - 20 | 21 - 22                                          | 23 - 24         | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31       | D.B./W.B.   | Dry Bulb | Wet Bulb | Dew F |
| 66/ 65                |          |          |              |       |            |        | .1      |            |         |               |         |                                                  |                 | i       |         |         |            | 1           | 1        |          |       |
| 64/ 63                |          |          |              |       |            |        | . 1     | .4         |         | ] [           |         |                                                  | 1               | 1       | 1       |         |            | 5           | 5        |          |       |
| 62/ 61                |          |          |              |       | • 1        | , 5    | • 1     | • 1        | ,1      |               |         |                                                  |                 |         |         |         |            | 9           | 9        |          |       |
| 50/ 59                |          |          |              |       | _ ,3       | • 5    | . 3     | . 9        | 1       |               |         |                                                  | l               |         |         |         |            | 20          | 20       |          |       |
| 58/ 57                |          | • 1      |              | . 5   | • 1        | • 6    | ,3      | 1.2        |         |               |         |                                                  | T               |         |         |         |            | 27          | 27       |          |       |
| 56/ 55                |          | • 2      |              | . 9   | 1,2        | 1.1    | .6      | .4         |         |               |         | $ldsymbol{ldsymbol{ldsymbol{\sqcup}}}$           |                 |         |         |         |            | 41          | 41       | 1        |       |
| 54/ 53                |          | • 1      | • 1          | . 4   | • 4        | 1.3    |         | • 1        |         |               |         | } }                                              | ļ               | Í       |         |         |            | 32          | 32       | 4        |       |
| 52/ 51                |          | . 3      | • 6          | 1.6   | 1,4        | 1,9    | .5      |            |         |               |         |                                                  |                 |         |         |         |            | 60          | 60       | 17       |       |
| 50/ 49                |          | 1.1      | 2.0          |       | 1.7        | 1.4    | .3      |            |         |               |         |                                                  |                 |         |         |         |            | 76          | 76       | 1        |       |
| 48/ 47                |          | 1.4      | 3.8          | 2.6   | چعلا       | 1.0    |         |            |         |               |         |                                                  |                 |         |         |         |            | 94          | 95       | 43       |       |
| 46/ 45                | • 1      | 2.8      |              |       |            |        |         |            |         |               |         |                                                  |                 |         | ļ       |         |            | 118         | 118      | 89       |       |
| 44/ 43                | <u> </u> |          | 3.0          | 2.0   |            | •6     |         |            |         |               |         | <del>  </del>                                    |                 |         |         |         | <b> </b> - | 84          | 84       | 115      |       |
| 42/ 41                | • 3      | 2.3      | 2.7          | 2.3   |            | • 3    |         |            |         |               |         | ]                                                | 1               | Ì       |         |         | }          | 74          | 74<br>85 | 118      |       |
| 40/ 39<br>38/ 37      | . 4      | 2.5      |              |       | 1.6        |        |         |            |         |               |         | <del> </del>                                     |                 |         |         |         |            | 85<br>69    | 69       | 99       | -     |
| 36/ 35                | 9        |          | 1.5          | . 8   | , 4        |        |         |            |         |               |         |                                                  | İ               |         | 1       |         |            | 61          | 61       | 100      | •     |
| 34/ 33                | .5       |          | 1.3          | .3    |            |        |         |            |         |               |         | <del>  </del>                                    |                 |         |         |         |            | 32          | 32       | 77       | 10    |
| 32/ 31                | , 1      |          |              | .3    |            |        |         |            |         |               |         |                                                  |                 | l       | 1       |         |            | 21          | 21       | 64       |       |
| 30/ 29                | . 2      |          |              | .4    |            |        |         |            |         |               |         |                                                  | <del>一、</del> 十 |         |         |         |            | 13          | 13       | 28       | 10    |
| 28/ 27                |          | . 2      | .3           | 1     |            |        |         |            |         | 1 1           |         | 1 1                                              | - 1             |         | - 1     |         |            | 5           | 5        | 17       | 5     |
| 26/ 25                |          |          | ,2           |       |            |        |         |            |         |               | ······  |                                                  |                 |         |         |         |            | 2           | 2        | 8        |       |
| 24/ 23                |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         |         |         |            |             |          | 3        | 3     |
| 22/ 21                |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         | i       |         |            |             |          | 2        |       |
| 20/ 19                |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         |         |         |            |             |          |          | į     |
| 18/ 17                |          |          |              |       |            |        |         |            |         |               |         | 1                                                |                 |         |         |         |            | 1 T         |          | i        |       |
| 16/ 15                |          |          |              |       |            |        |         |            | ,       |               |         |                                                  |                 |         |         |         |            | <u> </u>    |          |          |       |
| 14/ 13                | j        |          |              |       |            |        |         |            |         |               |         | ] ]                                              |                 | - 1     | -       |         |            |             | ļ        |          |       |
| 12/ 11                |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         |         |         |            | <b></b>     |          | <b> </b> |       |
| 10/ 9<br>DTAL         | 2 7      | 21 ^     | 24.5         | 10 4  | 1 K A      | 10.2   | 2 4     | - 1        | 2       |               |         |                                                  |                 | 1       |         |         |            |             | 930      |          | 92    |
| UIAL                  | 401      | <u> </u> | 44.7         | 47.4  | 17,4       | 1002   | 2,4     | 307        | .2      | <del>  </del> |         | <del>                                     </del> | +               |         |         |         |            | 929         | 720      | 929      | 74    |
|                       |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         |         | ····    |            | 747         |          | 747      |       |
|                       |          |          |              |       |            |        |         |            |         |               |         |                                                  |                 |         |         |         |            |             |          |          |       |
| lement (X)            |          | ΣX²      |              |       | Σχ         |        | X       | *,         |         | No. Ob        |         |                                                  |                 |         | Mean N  | o. of H | ours wit   | h Temperatu | 110      |          |       |
| Ref. Hum.             |          |          | 7884         |       | 610        | 06     | 65.7    | 17.1       | 11      | 9             | 29      | ± 0 F                                            |                 | 32 F    | ≥ 67    | f z     | 73 F       | ≥ 80 F      | ≥ 93 F   | ; T      | oral  |
| Dry Bulb              |          |          | 4932         |       | 415        |        | 44.7    | 7.3        | 90      |               | 30      |                                                  |                 | 4.1     |         |         |            |             | <u> </u> |          |       |
| Net Bulb<br>Dew Point |          |          | 4561<br>7835 |       | 366<br>306 | 11     | 39,4    | 5.8<br>7.3 | 50      |               | 29      |                                                  |                 | 2.5     |         |         |            | <u> </u>    | <b></b>  |          | ç     |

# PSYCHROMETRIC SUMMARY

| STATION     | MAI | LMST  | ROM   | AFB   | MT/G     | REAT                                             | FAL      | LS       |                                                   | 68-      | 77             |                                        |         |           | ARS      |             |                |              | MA<br>MON | Y     |
|-------------|-----|-------|-------|-------|----------|--------------------------------------------------|----------|----------|---------------------------------------------------|----------|----------------|----------------------------------------|---------|-----------|----------|-------------|----------------|--------------|-----------|-------|
| 3121104     |     |       |       | 3     | IATION N | AME.                                             |          |          |                                                   |          |                |                                        |         | 16        | ARS      |             | PAGI           | <b>1</b>     | 0300-     | 050   |
| Temp        |     |       |       |       | <u></u>  | WET                                              | BULB '   | TEMPER   | RATURE                                            | DEPRE    | SSION          | (F)                                    |         |           |          | <del></del> | TOTAL          |              | TOTAL     |       |
| (F)         | 0   | 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8    | 9 - 10                                           | 11 - 12  | 13 - 14  | 15 - 16                                           | 17 - 18  | 19 - 20        | 21 - 22                                | 23 - 24 | 25 - 26   | 27 - 28  | 29 - 30 2   | D.B./W.B.      | Dry Bulb     | Wet Bulb  | Dew P |
| 64/ 63      |     |       |       |       | 1        |                                                  |          | • 1      | .2                                                |          |                |                                        |         |           |          |             | 3              | 3            |           |       |
| 62/ 61      |     |       |       |       | 1        |                                                  |          | .3       |                                                   |          |                |                                        |         |           | i i      | 1           | 3              | 3            |           |       |
| 60/ 59      |     |       |       |       | 1        | •1                                               |          | •1       |                                                   |          |                |                                        |         |           |          |             | 2              | 2            |           |       |
| 58/ 57      | ĺ   |       |       |       | ,5       | !                                                | .4       | .6       |                                                   |          |                |                                        |         |           |          |             | 19             | 19           |           |       |
| 56/ 55      |     | • 1   | • 2   | . 3   |          |                                                  |          | •1       |                                                   |          |                | 1                                      | ·       |           |          | <del></del> | 17             | 17           |           |       |
| 54/ 53      | ļ   | . 2   | . 5   | . 4   |          |                                                  | .3       | "        |                                                   |          |                | İ                                      |         |           |          |             | 31             | 31           | 3         |       |
| 52/ 51      |     |       | . 8   | 1.0   |          | 1,5                                              | •1       |          |                                                   |          |                | 1 1                                    |         |           |          |             | 38             | 38           | 4         |       |
| 50/ 49      |     | . 2   |       |       | 1.2      | 1.0                                              |          |          |                                                   |          |                |                                        |         |           |          |             | 52             | 52           | 15        |       |
| 48/ 47      |     | 1.4   |       |       | 1.7      | 1,1                                              | •1       |          |                                                   |          |                | 1                                      |         |           |          |             | 90             | 90           | 29        |       |
| 46/ 45      | . 1 |       |       |       | 3.8      | ,3                                               |          |          |                                                   | i        |                | ] [                                    |         |           |          |             | 123            | 123          | 73        | 1     |
| 44/ 43      | • 1 | 2.7   |       |       |          |                                                  | ·        |          | <b>i</b>                                          |          |                |                                        |         |           |          |             | 92             | 92           | 92        | -     |
| 42/ 41      | . 2 |       |       |       | 1.1      | -                                                |          |          |                                                   |          |                |                                        |         | !!!       |          |             | 81             | 81           | 113       | 4     |
| 40/ 39      | .4  | 3.3   | 3.0   | 3.2   | , 9      |                                                  |          | <u> </u> |                                                   |          |                |                                        |         |           |          |             | 101            | 101          | 106       |       |
| 38/ 37      | .6  | 2.5   |       | 1.9   |          |                                                  |          |          |                                                   |          |                |                                        |         |           |          | 1           | 68             | 68           | 129       | -     |
| 36/ 35      | .4  | 4.6   |       | 2.8   | 1 -      |                                                  |          |          | <del>                                     </del>  |          |                |                                        |         |           |          |             | 93             | 93           | 98        | 10    |
| 34/ 33      | . 5 | 2.8   |       | . 8   |          | ĺ                                                |          |          |                                                   |          |                |                                        |         | 1 1       |          | 1           | 57             | 57           | 94        | Ţ     |
| 32/ 31      | • 1 | 1.8   | 1.1   | . 8   |          |                                                  |          |          | <u> </u>                                          |          |                | 11                                     |         |           |          |             | 35             | 35           | 84        |       |
| 30/ 29      | . 1 | . 2   |       |       |          |                                                  |          |          |                                                   |          |                |                                        |         |           |          | - 1         | 10             | 10           | 47        | Ś     |
| 28/ 27      | . 2 | • 1   | • 5   |       |          | <del>                                     </del> |          |          | i                                                 |          | •              | i                                      |         |           |          |             | 11             | 11           | 25        | 10    |
| 26/ 25      | - 1 | . 2   | • 1   | -     | }        | ļ                                                |          |          |                                                   |          |                | i i                                    |         |           |          | İ           | 3              | 3            | 9         | (     |
| 24/ 23      |     | .1    |       |       | 1        |                                                  |          |          |                                                   |          |                |                                        |         |           |          |             | 1              | 1            | 6         |       |
| 22/ 21      | 1   |       |       |       |          |                                                  |          |          | ļ                                                 |          |                |                                        |         |           |          |             |                |              | 3         | 3     |
| 20/ 19      |     |       |       |       |          | I                                                | <u> </u> |          |                                                   |          |                |                                        |         |           |          |             | 7              |              | i         |       |
| 18/ 17      |     |       |       |       |          |                                                  |          | L        |                                                   |          |                | _                                      |         | <u>.</u>  |          |             |                |              |           | i     |
| 16/ 15      | i   |       |       |       |          |                                                  |          |          |                                                   |          |                |                                        |         |           |          |             |                |              |           |       |
| 14/ 13      |     |       |       |       |          |                                                  | <u> </u> |          |                                                   | <u>l</u> |                |                                        |         |           |          |             |                |              |           |       |
| 12/ 11      |     |       |       |       |          |                                                  |          |          |                                                   |          |                |                                        |         |           |          |             |                |              |           |       |
| 8/ 7        |     |       |       |       | ļ        |                                                  |          |          |                                                   |          |                | 1                                      | ·       | <u>L </u> | l        |             |                |              |           |       |
| TOTAL       | 2.9 | 26.0  | 27.4  | 21.9  | 13,1     | 5.6                                              | 1.5      | 1.3      | .2                                                | 1 T      |                | 1 7                                    |         |           | <u> </u> |             |                | 930          |           | 93    |
|             |     |       |       |       |          | <u> </u>                                         |          |          |                                                   |          |                |                                        |         |           |          |             | 930            |              | 930       |       |
|             |     |       |       |       |          |                                                  |          |          |                                                   |          |                |                                        |         |           |          |             |                |              |           |       |
|             |     |       |       |       |          |                                                  |          |          |                                                   |          |                |                                        |         |           |          |             |                |              |           |       |
| Element (X) |     | Z X'  |       |       | ZX       | , 1                                              | X        | ·,       | <del>'                                     </del> | No. Ob   |                | نـــــــــــــــــــــــــــــــــــــ |         | لسبيسا    | Mean N   | o. of Hours | with Tampero   | ure          |           |       |
| Rel. Hum.   |     |       | 1744  |       | 639      | 86                                               | 68.8     |          |                                                   | 9        | 30             | ± 0 F                                  | -       | s 32 F    | ≥ 07     |             |                | ≥ 93 1       | F 7       | otal  |
| Dry Bulb    |     | 172   | 2607  |       | 395      | 11                                               | 42.5     | 6.8      | 81                                                |          | 30             |                                        |         | 6.0       |          |             | <del>-  </del> | 1            |           | 9     |
| Wet Bulb    |     |       | 3025  | -     | 353      |                                                  | 38.0     | 5.7      | 00                                                |          | 30             |                                        |         | 17.4      |          |             |                | <del> </del> |           | 9     |
| 0. 0.       |     |       | 2000  |       | -:-      |                                                  |          |          | <u> </u>                                          |          | <del>2</del> V |                                        |         | ****      |          |             |                |              |           |       |

FORM 0-26-5 (OL A)

### **PSYCHROMETRIC SUMMARY**

| 4112             | MA       | LMST                                             | ROM                                              |       | MT/GI   |        | FAL            | LS      |                                                  | 68-                                              | 77           |               |                                        | V.F     | ARS       | - w         |                    |              | M/                |          |
|------------------|----------|--------------------------------------------------|--------------------------------------------------|-------|---------|--------|----------------|---------|--------------------------------------------------|--------------------------------------------------|--------------|---------------|----------------------------------------|---------|-----------|-------------|--------------------|--------------|-------------------|----------|
| 3121101          |          |                                                  |                                                  | 31    | A.104 M | MG     |                |         |                                                  |                                                  |              |               |                                        |         | AND       |             | PAG                | E 1          | 0600              | -080     |
|                  |          |                                                  |                                                  |       |         |        |                |         |                                                  |                                                  |              |               | <del></del>                            |         |           |             | <del></del>        |              | HOURS (           | L. S. T. |
| Temp<br>(F)      | 0        | 1.2                                              | 3 - 4                                            | 5 - 6 | 7 . 8   |        | BULB           |         |                                                  |                                                  |              |               | 24                                     | ac a/1  | 27 - 28 2 | 9 - 30 ≥ 31 | TOTAL<br>D.B./W.B. | D. 0.11      | TOTAL<br>Wes Bulb | D D      |
| 74/ 73           | <u> </u> | 1 . 2                                            | 3 . 4                                            | 3.0   | /       | 9 - 10 | 11 - 12        | 13 - 14 | .1                                               | <del> </del>                                     | 19 - 20      | 21 - 22       | 23 - 24 .                              | 23 - 26 | 21 - 28 2 | 7 - 30 2 31 | 1                  | 1            | WEI DOID          | Dew 1    |
| 70/ 69           |          |                                                  |                                                  |       |         |        |                |         | .2                                               |                                                  | ,1           |               |                                        |         |           |             | 3                  | 3            |                   |          |
| 68/ 67           |          | <del>                                     </del> | <u> </u>                                         |       |         |        | .1             | .1      | .2                                               |                                                  |              | 1             | <del>  </del>                          |         | -         |             | 6                  | 6            |                   |          |
| 66/ 65           |          |                                                  |                                                  |       |         | • 1    | .1             | .3      |                                                  | ,1                                               |              |               |                                        | -       | -         | ļ           | 9                  | 9            |                   |          |
| 64/ 63           |          | i                                                |                                                  |       | •1      | • 4    | <del>   </del> | ,5      |                                                  |                                                  |              |               |                                        |         |           |             | 18                 | 18           |                   |          |
| 62/ 61           |          |                                                  |                                                  |       | , 4     | • 2    | .4             | .6      |                                                  |                                                  |              | L I           |                                        |         | 1         | ļ           | 18                 | 18           |                   |          |
| 60/ 59           |          |                                                  |                                                  |       | • 6     | . 4    |                | • 6     | .1                                               |                                                  | 1            |               |                                        |         |           |             | 26                 | 26           |                   |          |
| 58/ 57           |          | <u> </u>                                         | • 1                                              | .3    | , 9     | , 9    |                | . 8     |                                                  | <u> </u>                                         |              |               |                                        |         |           |             | 36                 | 36           | 1                 |          |
| 56/ 55           | •        |                                                  | • 2                                              | .6    |         |        |                | • 2     |                                                  |                                                  | Į.           |               |                                        | `       | 1         |             | 53                 | 53           | 6                 |          |
| 54/ 53           |          | ļ                                                | 1 . 5                                            | 1.2   |         |        |                |         | ļ                                                | -                                                |              | 1             |                                        |         |           |             | 69                 | 69           | 13                |          |
| 52/ 51           |          | ,                                                | 1.2                                              | 2.2   |         |        | • 5            |         |                                                  |                                                  | 1            |               |                                        |         | 1         |             | 67                 | 67<br>69     | 26                |          |
| 50/ 49<br>48/ 47 |          | 3.0                                              |                                                  | 2.2   |         | 1.9    |                |         |                                                  | <del> </del>                                     |              | 1             |                                        |         |           |             | 103                | 103          | 49<br>73          |          |
| 46/ 45           |          | 2.0                                              | 3.3                                              | 3.0   |         |        |                |         |                                                  | 1                                                | ł            |               |                                        |         | -         |             | 123                | 123          | 119               |          |
| 44/ 43           |          | 1.0                                              | 2.5                                              |       |         |        |                |         |                                                  | <del>                                     </del> |              | <del>  </del> |                                        |         |           |             | 78                 | 78           | 118               |          |
| 42/ 41           |          | 2.8                                              |                                                  | 1.0   | . 8     |        |                |         |                                                  | l                                                |              | i i           |                                        | į       |           |             | 57                 | 57           | 124               |          |
| 40/ 39           | . 2      |                                                  |                                                  |       |         |        | 1              |         | <del>                                     </del> |                                                  | 1            | 1             |                                        |         |           |             | 72                 | 72           | 101               | 1        |
| 38/ 37           | . 2      |                                                  |                                                  | 9     | , 2     |        | ļ              |         |                                                  | }                                                |              |               |                                        |         |           |             | 40                 | 40           | 93                | _        |
| 36/ 35           | . 2      | +                                                |                                                  | -     |         |        |                |         |                                                  |                                                  |              |               |                                        |         |           |             | 47                 | 47           | 87                | 1        |
| 34/ 33           |          | 1.5                                              | .6                                               | . 3   | ·       |        | <u> </u>       |         |                                                  | 1                                                |              |               |                                        |         |           |             | 23                 | 23           | 54                |          |
| 32/ 31           |          | .3                                               |                                                  | . 1   |         |        |                |         |                                                  |                                                  |              |               |                                        |         |           |             | 5                  | 5            | 41                |          |
| 30/ 29           |          | . 2                                              |                                                  | .1    |         |        |                |         |                                                  | <u> </u>                                         |              |               |                                        |         |           |             | 3                  | 3            | 16                |          |
| 28/ 27           |          | • 1                                              | •1                                               |       |         |        |                |         | 1                                                |                                                  |              | 1             |                                        |         |           |             | 3                  | 3            | 3                 |          |
| 26/ 25           |          |                                                  | -                                                | 1     |         |        |                |         | <del> </del> -                                   | <del> </del>                                     | ļ. —         |               |                                        |         |           |             | 1 1                | 1            | 3                 |          |
| 24/ 23           |          |                                                  |                                                  |       |         |        |                |         |                                                  |                                                  |              |               |                                        |         |           |             |                    |              | 1 2               |          |
| 22/ 21           |          | -                                                |                                                  |       |         |        |                |         | -                                                | +                                                | <del> </del> | +             |                                        |         |           |             | <del> </del>       | <del> </del> |                   |          |
| 18/ 17           |          |                                                  |                                                  |       |         |        |                |         |                                                  |                                                  |              |               |                                        |         |           |             |                    |              |                   |          |
| 16/ 15           |          | <del> </del>                                     | <del>                                     </del> |       |         |        |                |         | 1                                                | $\vdash$                                         | <del> </del> | <del>  </del> |                                        |         |           |             | <del> </del>       |              |                   |          |
| 14/ 13           |          |                                                  |                                                  |       |         |        |                |         |                                                  |                                                  |              |               |                                        |         |           |             |                    |              |                   |          |
| 10/ 9            |          |                                                  |                                                  |       |         |        |                |         |                                                  | 1                                                |              | T             |                                        |         | 1         |             | 1                  |              |                   |          |
| 8/ 7             |          |                                                  |                                                  |       |         |        |                |         | Ľ                                                |                                                  | <u> </u>     |               |                                        |         |           |             |                    |              |                   |          |
| OTAL             | • 6      | 18.6                                             | 19.1                                             | 18.6  | 17.4    | 12,9   | 7.5            | 3.2     | 1.4                                              | • 4                                              | • 1          |               |                                        |         |           |             | .020               | 930          | 930               | 9        |
| lement (X)       |          | Σχ²                                              | <u> </u>                                         |       | Σχ      |        | X              | •,      | <del>'                                    </del> | No. 01                                           | 36.          |               | ــــــــــــــــــــــــــــــــــــــ |         | Mega No   | of Hours wi | 930                | lure         | 7.50              | <u></u>  |
| Rel. Hum.        |          |                                                  | 5507                                             | ļ     | 583     | 33     | 62.7           |         |                                                  |                                                  | 30           | ± 0 ₽         | F s                                    | 32 F    | ≥ 67 F    |             | ≥ 80 F             | ≥ 93 I       | -                 | Total    |
| Dry Bulb         |          |                                                  | 2623                                             |       | 440     |        | 47.3           | 7.8     | 86                                               | 9                                                | 30           |               | -1-                                    | 1.2     | 1.0       |             |                    | 1            |                   |          |
| Wet Buth         |          |                                                  | 3981                                             |       | 383     |        | 41.3           |         |                                                  |                                                  | 30           |               |                                        | 6,6     |           |             | 1                  |              |                   |          |
| Dew P - 1        |          |                                                  | 3601                                             |       | 318     |        | 34.2           |         |                                                  |                                                  | 30           |               | 3                                      | 6.7     |           | 1           | T                  |              |                   |          |

1,2 6,6 36,7

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# PSYCHROMETRIC SUMMARY

 24112
 MALMSTRUM AFB MT/GREAT FALLS
 68-77
 MAY

 STATION
 STATION NAME
 YEARS
 MONTH

 PAGE 1
 0900-1100

|             |     |       |       |       |       |        |         |            |         |          |          |         |     |            |          |         |          |           |             | HOURS (     | L. S. T.) |
|-------------|-----|-------|-------|-------|-------|--------|---------|------------|---------|----------|----------|---------|-----|------------|----------|---------|----------|-----------|-------------|-------------|-----------|
| Temp        |     |       |       |       | т     |        | BULB T  |            |         |          |          |         |     | ·          |          |         | ,        | TOTAL     |             | TOTAL       |           |
| (F)         | 0   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14    | 15 - 16 | 17 - 18  | 19 - 20  | 21 - 22 |     | 25 - 26    |          | 29 - 30 | ≥ 31     | D.B./W.B. | Dry Bulb    | Wet Bulb    | Dew Point |
| 82/ 81      |     |       | 1     | ļ     |       |        |         |            |         |          |          | •2      | •1  |            | .1       | _       | 1        | 4         | 4           | 1           | ĺ         |
| 80/ 79      |     |       |       |       |       |        |         |            |         |          | • 1      |         |     | •1         |          | •1      |          | 3         | 3           |             |           |
| 78/ 77      |     |       | - 1   | 1     |       | i      | 1       | 1          |         |          |          |         | •1  | •1         | •1       |         | Ì        | 3         | 3           | ]           | 1         |
| 76/ 75      |     |       |       |       |       |        |         |            |         | 5        |          | •2      | • 3 |            |          |         |          | 11        | 11          | <u> </u>    |           |
| 74/ 73      |     |       |       |       |       | l      | 1       |            | .2      | •2       | .3       | -5      | .3  |            |          |         | l        | 15        | 15          | 1           |           |
| 72/ 71      |     |       |       |       |       |        |         | .3         | .5      | ,3       | ,9       |         | .1  |            |          |         |          | 21        | 21          |             |           |
| 70/ 69      |     |       |       | 1     |       | İ      | 1       | . 3        | .6      | 1.8      |          | •2      |     |            |          |         |          | 32        | 32          |             | 1         |
| 68/ 67      |     |       |       |       |       |        |         | 1.1        | 1.5     | , 9      | .1       | •1      |     |            |          |         |          | 34        | 34          |             |           |
| 66/ 65      |     |       | ł     | ł     | i     | • 2    | •9      | 1.9        |         |          |          |         |     |            |          |         | 1        | 44        | 44          |             |           |
| 64/ 63      | j   | í     |       |       | .1    | - 8    | 1.4     | 1.3        | 2,5     | 1.0      |          |         |     |            |          |         | <u> </u> | 66        | 66          |             | !         |
| 62/ 61      |     | ĺ     |       | ı     | . 2   | • 8    | 2.0     | 1.5        | 1.1     | .5       |          |         |     | 1          |          |         | ļ        | 57        | 57          | ]           |           |
| 60/ 59      |     |       |       |       | .8    | 1.2    | 1.0     | 2,8        |         | • 2      |          |         |     |            |          |         |          | 72        | 72          |             |           |
| 58/ 57      |     |       | • 1   | . 2   | , 5   | 1.9    | 1.9     | 2.0        | .3      |          |          | [ [     |     |            |          |         |          | 66        | 66          |             | 1         |
| 56/ 55      |     | i     | • 1   | . 9   | • 9   | 1.5    | 2.5     | 1.3        | . 5     |          |          |         |     |            |          |         |          | 71        | 71          | 23          |           |
| 54/ 53      | į   | 1     | • 3   | .6    | 1.7   | 1,7    | 1.5     | 1.0        |         | İ        |          | i i     |     | 1          | [        |         | ĺ        | 67        | 67          | 57          | 1         |
| 52/ 51      |     | . 3   | 8.    | 1.1   | 1,5   | 1.6    | 1.5     | - 6        |         |          |          |         |     |            |          |         |          | 69        | 69          |             | 1         |
| 50/ 49      |     | • 1   | 1.7   | . 8   | ,6    | 1,1    | 1.4     | • 9        |         |          | İ        |         |     | 1          |          |         | 1        | 61        | 61          | 95          | 4         |
| 48/ 47      |     | 1.0   | 2.0   | 1.2   | , 8   | 1.5    | 1.0     | 1          |         |          |          |         |     | <u> </u>   |          |         |          | 70        | 70          | 93          | 17        |
| 46/ 45      | • 1 |       | 1.2   | 1.3   | 1.3   | • 9    | . 3     |            | j       |          |          |         |     |            | ]        |         | 1        | 57        | 57          | 133         |           |
| 44/ 43      |     | . 9   | 1.3   | .9    | .6    | . 3    |         |            |         |          |          |         |     |            |          |         |          | 37        | 37          | 116         | 68        |
| 42/ 41      | . 1 |       | . 8   | . 4   | - 1   | 1      |         |            |         |          | :        |         |     |            |          |         |          | 20        | 20          |             | 70        |
| 40/ 39      | ,1  | 1.2   | .4    | .3    |       |        |         |            |         |          |          |         |     | ļ <u>.</u> |          |         |          | 19        | 19          |             | 98        |
| 38/ 37      |     | 1.1   | • 6   | -     |       |        |         |            |         |          |          |         |     |            |          |         | 1        | 16        | 16          |             |           |
| 36/ 35      |     |       | -1    | -1    | 1     |        |         |            |         |          |          |         |     | ļ <u> </u> |          |         |          | 8         | 8           | <del></del> | 112       |
| 34/ 33      |     | .4    | 1     | 1     |       |        |         |            |         | 1        | 1        |         |     |            |          |         | 1        | 4         | 4           | 19          | 81        |
| 32/ 31      | . 1 | • 1   |       | • 1   | 1     |        |         |            |         |          |          |         |     | <u> </u>   |          |         |          | 3         | 3           | 4           | 75        |
| 30/ 29      |     |       | ]     |       | į     |        |         |            |         |          |          |         |     |            |          |         |          |           | ļ.          | 2           | 83        |
| 28/ 27      |     |       |       |       |       |        |         | •          |         | L        | <u> </u> |         |     |            |          |         |          | ļ         |             |             | 62        |
| 26/ 25      |     |       |       |       | ı     |        |         |            |         |          |          |         |     |            |          |         |          |           |             | 1           | 47        |
| 24/ 23      |     |       |       |       |       |        |         |            |         |          |          |         |     | <u> </u>   |          |         | <u> </u> |           |             | <u> </u>    | 35<br>27  |
| 22/ 21      |     |       |       |       |       |        |         |            |         |          |          |         |     |            | [ ]      |         | 1        |           |             |             | 27        |
| 20/ 19      |     |       |       |       |       |        |         |            |         | <u> </u> | <u></u>  | 1       |     | <u> </u>   |          |         | <u> </u> | <u> </u>  |             | <u> </u>    | 14        |
| 18/ 17      |     |       | }     |       |       |        |         |            |         |          | 1        |         |     | ]          | ]        |         |          |           |             |             | 12        |
| 16/ 15      |     |       |       |       |       |        |         |            | L       | <u> </u> | <u> </u> |         | L   | <u> </u>   | L        | L       | <u> </u> | <u> </u>  |             | l           | 6         |
| Element (X) |     | ΣX'   |       |       | t x   |        | X       | <b>₹</b> x |         | No. O    | 5.       |         |     |            |          |         |          | h Tempera |             |             |           |
| Rel. Hum.   |     |       |       |       |       |        |         |            |         |          |          | ≤ 0 1   | F   | ≤ 32 F     | ≥ 67     | F :     | 73 F     | ≥ 80 F    | <b>2 93</b> | F           | Total     |
| Dry Bulb    |     |       |       |       |       |        |         |            |         |          |          |         |     |            | <u> </u> |         |          |           |             |             |           |
| Wet Bulb    |     |       |       |       |       |        |         |            | L_      |          |          |         |     |            |          |         |          | <u> </u>  |             |             |           |
| Dew Point   |     |       |       |       |       |        |         |            | l_      |          |          |         | l_  |            |          | l       |          | <u> </u>  |             |             |           |

# **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77

STATION STATION NAME

PAGE 2 0900-1100
HOURS (C. S. T.)

| Temp        |     |       |       |              |       | WET      | BULB '         | TEMPER                                           | ATURE        | DEPRE   | SSION ( | F)      |                                                   |                |         |               |          | TOTAL                                            |             | TOTAL    | ·                                                |
|-------------|-----|-------|-------|--------------|-------|----------|----------------|--------------------------------------------------|--------------|---------|---------|---------|---------------------------------------------------|----------------|---------|---------------|----------|--------------------------------------------------|-------------|----------|--------------------------------------------------|
| (F)         | 0   | 1 - 2 | 3 - 4 | 5 - 6        | 7 - 8 | 9 - 10   | 11 - 12        | 13 - 14                                          | 15 - 16      | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24                                           | 25 - 26        | 27 - 28 | 29 - 30       | ≥ 31     | D.B./W.B.                                        | Dry Bulb    | Wet Bulb | Dew Poi                                          |
| UTAL        | . 4 | 7.5   | 9.5   | 7.8          | 9.1   | 13.4     | 15.4           | 15.2                                             | 10.4         | 6.0     | 2.2     | 1.4     | 1.0                                               | 25 - 26<br>• 3 | •2      | .1            |          | 930                                              | 930         | 930      | 930                                              |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               | <u> </u> |                                                  |             | ļ        | <del>                                     </del> |
|             |     |       |       |              |       |          | <u> </u>       |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          | <u> </u>                                         |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          | <b></b> -      | <del> </del>                                     |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          | <u> </u>                                         |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
| ļ           |     | į     |       |              |       |          | İ              |                                                  |              |         |         |         |                                                   |                |         |               | <u> </u> |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                |                                                  |              |         |         | ·       |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                | <b> </b> -                                       |              |         |         |         |                                                   |                |         |               |          | -                                                |             | ·        | ļ                                                |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                | <del> </del>                                     | <del> </del> |         |         |         |                                                   |                |         |               |          | <del> </del>                                     |             | ļ        | <b> </b>                                         |
|             |     |       |       |              |       |          |                |                                                  | <u> </u>     |         |         |         | ·                                                 |                |         |               |          |                                                  |             |          | ļ                                                |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          | <del> </del> - |                                                  |              |         |         |         |                                                   |                |         |               | l        |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                | <u> </u>                                         |              |         |         |         |                                                   |                |         |               | <u> </u> | <u> </u>                                         |             |          | ļ                                                |
|             |     |       |       |              |       |          | 1              |                                                  |              |         |         |         |                                                   |                |         |               | ļ        |                                                  | İ           |          |                                                  |
|             | i   |       |       |              |       |          | İ              |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                |                                                  |              |         |         |         |                                                   |                |         |               |          | ļ <u> </u>                                       |             |          | -                                                |
|             |     |       |       |              |       | <br>     |                |                                                  |              |         |         |         |                                                   |                |         |               |          |                                                  | <u></u>     |          |                                                  |
|             |     |       |       |              |       |          |                | }                                                |              |         |         |         |                                                   |                |         |               |          |                                                  |             |          |                                                  |
|             |     |       |       |              |       |          |                | <del>                                     </del> |              |         |         |         |                                                   |                |         |               |          | <del>                                     </del> | <del></del> |          | <del>                                     </del> |
| Element (X) |     | Σχ²   |       |              | z x   | <u> </u> | X              | - F                                              | 1            | No. Ob  |         |         |                                                   |                | Nos- 4  | 10 64 14      |          | h Tempera                                        | •           | <u> </u> |                                                  |
| Rel. Hum.   |     |       | 6292  |              | 446   | 92       | 48.1           | 19.0                                             | 91           |         | 30      | ± 0     | F .                                               | ≤ 32 F         | Meon r  |               | 73 F     | 2 80 F                                           | > 93        | F        | Total                                            |
| Dry Bulb    |     | 296   | 1594  | <del> </del> | 517   | 30       | 55.6           | 9.5                                              | 19           | 9       | 30      | - 0     | <del>`                                     </del> | • 3            |         |               | 3.6      |                                                  |             | 7        | 9                                                |
| Wer Bulb    |     | 192   | 9508  |              | 420   | 24       | 45.2           | 5.7                                              | 36           | 9       | 30      |         |                                                   | • 7            |         |               |          | <del> </del>                                     |             | _        | 9                                                |
| Dew Point   |     | 114   | 1366  |              | 318   | 90       | 34,3           | 7.1                                              | 77           | 9       | 30      |         | $\neg \vdash$                                     | 36,1           |         | $\neg   \neg$ |          |                                                  | $\top$      |          | 9<br>9<br>9                                      |

#### **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MALMSTRUM AFB MT/GREAT FALLS STATION NAME | 68-77  | MAY       |
|------------------|-------------------------------------------|--------|-----------|
|                  |                                           | DACE 1 | 1200-1400 |

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 88/ 87 1 86/ 85 1 84/ 83 • 1 .3 14 14 82/ 81 •1 . 1 .6 .6 22 22 80/ 79 77 78/ 1,1 •1 76/ 75 30 30 74/ 73 28 28 72/ 71 42 42 70/ 69 1.0 58 58 1.6 68/ 67 1.0 50 50 1.4 66/ 65 1.6 1.2 58 58 •1 71 71 64/ 63 2.7 1.3 72 62/ 61 1.5 72 6 60/ 59 55 ,6 <u>5</u>5 66 58 58/ 57 1.0 1.1 1.7 1.5 .66 14 58 56/ .6 54/ 53 • 6 . 8 51 51 1.1 89 51 1.0 52/ .3 47 47 113 . 8 49 32 32 50/ •1 104 6 • 2 47 41 48/ 41 145 49 50 .6 46/ 39 45 •6 39 96 25 44/ 43 25 95 75 421 41 14 • 1 40/ 39 12 70 38/ 37 73 38 36/ 35 6 19 118 34/ 33 65 32/ 31 82 79 30/ 29 86 28/ 26/ 25 46 24/ 23 37 Element (X) No. Obs. Meon No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F > 80 F Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALHSTROM AFB

#### **PSYCHROMETRIC SUMMARY**

MALHSTROM AFB MT/GREAT FALLS MAY YEARS 18 STATION NAME MONTH 1200-1400 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 33 22/ 21 20/ 19 18 13 18/ 17 16/ 15 9 14/ 13 12/ 11 4 6.0 9.110.515.311.3 7.8 7.1 929 929 7.3 7.4 3.6 1.5 TUTAL 5.0 5.9 .6 . 8 • 3 929 929 No. Obs. Zy? Zx Mean No. of Hours with Temperature Element (X) 1914221 3487908 27895 56056 40.819.925 60.310.661 Rel. Hum. 929 ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≈ 93 F 929 93 27.2 Dry Bulb 12.2 2,8 93 46.9 5.643 Wet Bulb 2075885 43601 929 Dew Point 31172 33.6 7.523 40.8 1098476

0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE

T.

SAFETAC FOLM

### PSYCHROMETRIC SUMMARY

MALMSTROM AFB MT/GREAT FALLS MAY 68-77 YEARS PAGE 1

1500-1700 HUTRS (L. S. T.)

| Temp        |     |       |       |            |       |        |         | EMPER      |         |         |         |           |         |                                                  |                                              |          |           | TOTAL      |          | TOTAL     |           |
|-------------|-----|-------|-------|------------|-------|--------|---------|------------|---------|---------|---------|-----------|---------|--------------------------------------------------|----------------------------------------------|----------|-----------|------------|----------|-----------|-----------|
| (F)         | 0   | 1 - 2 | 3 - 4 | 5 - 6      | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14    | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22   | 23 - 24 | 25 - 26                                          | 27 - 28                                      | 29 - 30  | ≥ 31      | D.B./W.B.  | Dry Bulb | Wet Bulb  | Dew Point |
| 92/ 91      |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          | • 3       | 3          | 3        |           |           |
| 86/ 85      |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  | Ll                                           |          | • 3       | 3          | 3        |           |           |
| 84/ 83      |     |       |       |            |       |        |         |            |         |         |         |           | , 3     |                                                  |                                              | •2       | -8        | 17         | 17       |           |           |
| 82/ 81      |     |       |       |            |       |        |         |            |         |         |         | •2        | .8      |                                                  | ,5                                           | ,1       |           | 15         | 15       |           |           |
| 80/ 79      |     |       |       |            | i     | i      |         |            |         |         | • 1     | +5        | , 9     |                                                  | .6                                           |          |           | 24         | 24       |           |           |
| 78/ 77      |     |       | !     |            |       |        |         |            |         |         | ,3      | .4        | 1.0     |                                                  | .2                                           |          |           | 23         | 23       |           |           |
| 76/ 75      |     |       | !     | 1          | 1     |        |         | - 1        |         |         | .8      |           | •9      |                                                  |                                              |          |           | 30         | 30       |           |           |
| 74/ 73      |     |       |       |            |       |        |         |            | .1      | •1      | 1.1     | 1.2       | •9      |                                                  |                                              |          |           | 34         | 34       |           | <u> </u>  |
| 72/ 71      |     |       |       |            |       |        |         |            | .2      | • 3     |         |           | •9      |                                                  | İ                                            |          |           | 41         | 41       | 1         |           |
| 70/ 69      |     |       |       |            |       |        |         | .4         | 1.2     | 1.0     | 1.2     | 2.4       | .5      |                                                  | <u> i</u>                                    |          |           | 62         | 62       |           |           |
| 68/ 67      |     | į l   | ļ     | }          |       |        | • 2     | • 9        | 1.6     |         |         |           | •1      |                                                  |                                              |          |           | 59         | 59       | 1         | 1         |
| 66/ 65      |     |       | i     |            |       |        | .5      | 1.1        | 1.0     |         |         | 1.1       | .2      |                                                  |                                              |          |           | 54         | 54       | ļ         |           |
| 64/ 63      |     | i     | i     |            | •1    | +2     | 1.4     | 1.8        | 2.4     | •9      |         | •3        |         |                                                  | 1 1                                          |          |           | 72         | 72       | İ         | }         |
| 62/ 61      |     |       |       |            |       | 1.0    | . 8     | 1.5        | 1.3     | 1.2     |         |           |         | <u> </u>                                         |                                              |          |           | 58         | 58       |           |           |
| 60/ 59      |     | ĺ     | _     | • 2<br>• 3 | ,5    | • 5    | 1.1     | 1.4        | 2.3     | • 1     | •1      |           |         |                                                  |                                              |          |           | 58         | 58       |           |           |
| 58/ 57      |     |       | - 1   |            | 1.7   | • 6    |         | 1.9        | 1.6     | 1.2     |         |           |         | <b></b>                                          |                                              |          |           | 78         | 78       | 23        |           |
| 56/ 55      | i   | • 1   | • 3   | •9         | • 8   | • 6    |         | • 6        | 1.1     | .3      |         |           |         |                                                  | ]                                            |          |           | 57         | 57       | 37        |           |
| 54/ 53      |     | • 1   | - 8   | -6         |       | • 3    | •2      | -1         | 1.0     |         |         | <b>  </b> |         |                                                  |                                              |          |           | 32<br>37   | 32<br>37 |           |           |
| 52/ 51      |     | • 1   | - 8   | •9         |       | , 5    | •5      | • 3        | • 3     |         |         |           |         |                                                  |                                              |          |           |            |          | 119       | 4         |
| 50/ 49      | •1  | .2    | . 4   | .9         |       | 1,4    | .3      | .3         |         |         |         | <b>  </b> |         | <b>}</b>                                         | <b> </b>                                     |          |           | 42         | 42<br>31 | 141       | 15        |
| 48/ 47      |     | . • 4 | 1.4   | .5         |       | • 2    | .3      | • 1        |         |         |         | 1 1       |         | 1                                                |                                              |          |           | 31<br>38   | 38       | 119       |           |
| 46/ 45      |     | 101   | • 6   | 1.5        | ,6    | • 4    |         |            |         |         |         |           |         | <del>                                     </del> |                                              |          |           |            |          | 73        |           |
| 44/ 43      |     | 1.3   | - 8   | .2         | • 1   |        |         |            |         |         |         |           |         |                                                  |                                              |          |           | 22<br>11   | 22<br>11 | 116<br>78 | 80        |
| 40/ 39      | • 3 |       | . 8   |            |       |        |         |            |         | -       |         |           |         |                                                  |                                              |          |           | 15         | 15       | 61        | 75        |
| 38/ 37      | . 2 |       |       | - 7        |       | į      |         |            |         |         |         |           |         |                                                  | <u> </u>                                     |          |           | 8          | 8        | 29        | 66        |
| 36/ 35      |     | .6    |       |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          |           | 6          | 6        | 23        | 89        |
| 34/ 33      |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  | <u>                                     </u> |          |           |            |          | 6         | 94        |
| 32/ 31      |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          |           |            |          | Ī         | 61        |
| 30/ 29      |     |       |       |            |       |        |         |            |         |         |         | I         |         | <u></u>                                          | <u> </u>                                     |          |           |            |          | <u></u>   | 75        |
| 28/ 27      |     |       | i     |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          |           |            |          |           | 77        |
| 26/ 25      |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          |           |            |          |           | 59        |
| 24/ 23      |     |       |       |            |       |        |         |            |         |         |         | [         |         |                                                  |                                              |          |           |            |          |           | 35        |
| 22/ 21      |     |       |       |            |       |        |         |            |         |         |         | <u> </u>  |         | <u> </u>                                         | 11                                           |          |           |            |          | L         | 32        |
| Element (X) |     | Σχ²   |       |            | z x   |        | X       | <b>"</b> , |         | No. Ol  | 5.      |           |         |                                                  | Mean N                                       | o. of He | ours with | . Temperat | lure     |           |           |
| Rel. Hum.   |     |       |       |            |       |        |         |            |         |         |         | ≤ 0 f     |         | ⊴ 32 F                                           | ≥ 67                                         | F ×      | 73 F      | ≥ 80 F     | ≥ 93     | F         | Total     |
| Dry Bulb    |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          |           |            |          |           |           |
| Wet Bulb    |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  |                                              |          |           |            |          |           |           |
| Dew Point   |     |       |       |            |       |        |         |            |         |         |         |           |         |                                                  | 1                                            | 1        |           | Γ          |          |           |           |

described as the on the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale o

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTROM AFB

## PSYCHROMETRIC SUMMARY

MALMSTROM AFB MT/GREAT FALLS

STATION NAME 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 20/ 19 26 18/ 17 16/ 15 14/ 13 .6 6.1 5.9 6.0 5.9 5.9 7.510.514.0 7.8 8.3 9.5 6.3 2.2 1.6 930 930 930 Element (X) Zχ No. Obs. Mean No. of Hours with Temperature Rel. Hum. 39.821.498 267 F = 73 F = 80 F = 93 F 10 F ≤ 32 F 1900104 36984 930 61.311.001 47.2 5.486 33.2 8.032 57036 31.1 Dry Bulb 3610392 930 14.9 43910 30853 93 Wet Bulb 2101168 930 Dew Point 1083491

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ETAC FORM 0.26

## **PSYCHROMETRIC SUMMARY**

| 12<br>TATION  |     | LMSTR |                   | 57/         | ATION NA       | ME            |                |              |             | <u>u</u> .         |              |            |                  | YE                                           | ARS               |         |            |                |              | МО                 | AY<br>ONTH  |
|---------------|-----|-------|-------------------|-------------|----------------|---------------|----------------|--------------|-------------|--------------------|--------------|------------|------------------|----------------------------------------------|-------------------|---------|------------|----------------|--------------|--------------------|-------------|
|               |     |       |                   |             |                |               |                |              |             |                    |              |            |                  |                                              |                   |         |            | PAGE           | E 1          | 1800               | -2000       |
| Temp          |     |       |                   |             |                |               |                | EMPER/       |             |                    |              |            |                  |                                              |                   |         |            | TOTAL          |              | TOTAL              |             |
| ( <b>r</b> )  | 0   | 1 - 2 | 3 - 4             | 5 - 6       | 7 - 8          | 9 - 10        | 11 - 12        | 13 - 14      | 15 - 16     | 17 - 18            | 19 - 20      | 21 - 22    | 23 - 24          | 25 - 26                                      | 27 - 28           | 29 - 30 | → 31       | D.B./W.B.      | Dry Bulb     | Wet Bulb           | Dew Point   |
| / 83          |     |       | _                 |             |                |               |                | _            |             |                    | ,         !  |            | •1               |                                              | $\Gamma$          |         |            | 1              | 1            |                    |             |
| / 81          |     |       |                   |             |                |               |                |              | ;           | لـــــا            | لـــــا      | • 1        | .4               | • 1                                          | •1                | .2      | <u>'</u>   | 9              | 9            | i<br>!             | <u> </u>    |
| / 79          | - [ |       | - 1               | 1           | - 1            | J             | . 1            | .            |             | $\bar{\Gamma} = 1$ | • 1          |            | _                | •1                                           | • 5               |         | i '        | 7              | 7            | 1                  |             |
| / 77          |     |       |                   |             |                |               |                |              |             | لـــا              | .2           |            | •2               |                                              | <b></b>           |         | '          | 4              | 4            |                    |             |
| / 75          |     |       | _                 |             |                | .             | ı l            |              |             | .2                 | .5           |            | .5               | •6                                           | Ē                 |         | _          | 22             | 22           |                    |             |
| / 73          |     |       |                   |             | I              |               |                |              | .3          | .5                 | ,3           | • 5        | .6               | •1                                           | $\longrightarrow$ |         | <b></b> '  | 23             | 23           | <b></b>            |             |
| / 71          | 1   | 1     |                   |             | - 1            | . 1           | , [            | • 1          | اد و        | 6.6                | .8           |            | . 3              | [ ]                                          | í l               |         | ί '        | 24             | 24           | l                  |             |
| / 69          |     |       |                   |             |                |               | • 1            |              | , ó         | 1.3                | 1.1          |            | . 3              | •1                                           | $\sqcup$          |         | ·'         | 37             | 37           |                    |             |
| / 67          |     |       |                   | i           | ı.             |               | • 3            | .3           | 1.1         |                    | • 9          |            | • 1              |                                              | i [               | 1       | i '        | 38             | 38           | l                  |             |
| / 65          |     |       |                   |             | • 1            | • 2           | .5             | 1.2          | 1.4         | 1.6                | .6           | +          | اا               |                                              | $\longrightarrow$ |         | '          | 54             | 54           |                    |             |
| / 63          |     | 1     |                   | - 1         | • 1            | • 1           | 1.3            | 1.0          | 2.4         |                    | .5           | • 1        | •1               |                                              | 1                 | 1       | i '        | 63             | 63           | 1                  |             |
| / 61          |     |       |                   |             |                | 1.0           |                | 1.3          | 1.1         | 1.0                |              |            | <u> </u>         |                                              |                   |         | <b></b> '  | 60             |              |                    | <del></del> |
| / 59          | i   |       |                   | . 3         | .6             | 1,5           |                | 2.0          | 1:4         | . 2                |              | ( )        |                  |                                              | 1                 | !       | i '        | 71             | 71           | 7                  |             |
| / 57          |     |       | •5                | .2          |                |               |                | 1.3          | 1.4         | .3                 | •1           |            |                  | !                                            | 1                 | '       | <b></b> '  | 73             | 73           | 14                 |             |
| / 55          |     |       | • 6               | 1.1         | 1.3            | 1.2           |                | . 5          | 1.1         |                    | 1 1          | 1 1        | ,                |                                              | 1 1               | ,       | i '        | 74             | 74           | 22                 |             |
| / 53          | !   | . 2   | 1.1               | , Я         | 1.0            |               | .8             | 1.2          | •6          |                    | لــــا       | ↓          |                  | <u> </u>                                     | <del></del>       |         | <b>└</b>   | 65             | 65           | 52                 |             |
| / 51          | I   | • 2   | 1.2               | 1.3         | • 9            |               | 1.0            | 1.0          | . 2         | 1 1                | i 1          | 1 /        | '                | 1 1                                          | 1                 | 1       | l '        | 64             | 64           | 98                 |             |
| / 49          |     | •6    | 1.3               | 1.3         | • 3            |               |                | .4           | • 1         | <b>↓</b>           | ــــا        | <b></b> _  |                  | <u>                                     </u> |                   |         | <b></b> '  | 5.3            | 53           | 124                |             |
| 1 47          | 1   | • 5   | 1.4               | 1.0         | . 3            |               |                | • 1          | , 1         |                    | i !          | 1 1        |                  |                                              | 1 1               | ,       | i '        | 38             | 38           | 137                |             |
| / 45          |     | 1.0   | 1.0               | 1.4         | • 9            |               |                | ,            |             | <b>↓</b> ]         | <b>└</b> ──' | igsquare   |                  |                                              | <b></b>           |         | <b></b> '  | 47             | 47           | 107                |             |
| / 43          | l   | 1.2   | 1.2               | 1.1         | • 1            | +1            | • 3            | , [          | , !         | 1 1                | I = I        | 1 1        |                  |                                              | [ ]               | ,       | l '        | 37             | 31           | 98                 |             |
| / 41          | ·!  | 1.3   | • 8               | -1          | ,2             | • 1           | <b></b>        |              |             | <b></b>            | igsquare     | <b></b>    |                  | <b></b>                                      |                   |         | <b></b>    | 23             | 23           | 86                 |             |
| / 39          | !   | 1.8   | • 3               |             | . 1            | . !           | ı              | ,            | , 1         | 1 1                | I = I        | 1 1        |                  |                                              | 1                 | ,       | <u> </u>   | 20             |              | 72                 | 79          |
| / 37          | - 4 |       | • 3               | • 3         |                |               |                | <del></del>  | لــــــ     | <del></del>        | ⊢—-          | igwdapprox | <u> </u>         | !                                            |                   |         | <b></b> '  | 14             | 14           | 68                 | <del></del> |
| / 35          | • 1 |       |                   | . 1         |                | , 1           | ı              |              | . !         | I = I              | I = I        | 1 1        |                  |                                              |                   | !       | <b>i</b> ' | 7              |              | 28                 | 78          |
| / 33          |     | • 2   | $\longrightarrow$ |             |                |               | <b></b>        | ,            | لــنــ      | <b></b>            | <b></b> !    | 1          | <u> </u>         | <b></b>                                      |                   | !       | <b></b>    | 2              | 2            | <del></del>        |             |
| / 31          | - 1 |       |                   | . 1         | .              | .             | 1              | ,            | , !         | 1 1                | 1 1          | 1 /        | '                | i !                                          |                   | !       | i '        | '              |              | 8                  |             |
| / 29          |     |       |                   |             |                |               | <b></b>        | .——-         | لــــــ     | <b></b>            | <b></b> !    | 1          |                  |                                              |                   |         | <b></b> '  | <b> </b> '     | <del> </del> | <del> </del>       | 58          |
| / 27          |     |       |                   |             | .              | , !           | 1 1            | ı            | , !         | I = I              | 1 1          | 1 1        |                  |                                              | 1 1               | !       | i '        | '              |              | İ                  | 68          |
| / 25          |     |       |                   |             |                |               | <b> </b>       | ,            | لــــــر    | <b>─</b> ─         | <del></del>  | <b></b> -  | <u> </u>         | <b> </b>                                     | 1                 |         | <b> </b>   | <b> </b> '     | <del> </del> | ├──                | 43          |
| / 23          |     | .     | 1                 | . [         | .              | , !           | 1 1            | i = 1        | , !         | 1 1                | 1 1          |            |                  | !!                                           | 1                 | ,       | i '        | '              |              | İ                  | 26          |
| 2/ 21         |     |       | $\longrightarrow$ |             |                | لـــــا       | <b></b>        | <del></del>  | لــــا      | $\vdash$           | $\vdash$     | <b> </b>   | <b></b>          | لــــــا                                     | 1                 | !       | <u> </u>   | <del> </del> ' | ļ            | ļ                  | 33          |
| / 19          |     |       | j                 | .           | .              | , 1           | 1 1            | (            | , 1         | 1 '                | 1 '          |            | 1                |                                              | 1                 | . 1     | 1 '        | 1 '            | 1            | l                  | 21          |
| 17            |     | *     |                   | <del></del> | أسيي           | <del></del> - | <del></del> _  | ليساح        | لس ِــــ    | ليسيا              | <u></u> '    |            | <u> </u>         | لـــــا                                      | <del></del>       |         | <u></u>    | <u> </u>       | <u> </u>     | <u> </u>           | 22          |
| ment (X)      |     | ΣX1   | <del>i</del>      |             | z <sub>x</sub> | +             | <del>-</del> X |              |             | No. Ob             |              |            |                  |                                              | <del></del>       |         |            | h Temperat     |              |                    |             |
| Hum.          |     |       |                   |             |                |               |                | <del> </del> |             |                    |              | ± 0 F      | <del>-   -</del> | ± 32 F                                       | ≥ 67              | F   *   | 73 F       | = 80 F         | > 73         | <del>-   -  </del> | Total       |
| Bulb          |     |       |                   |             |                | -+-           |                | <u> </u>     | <del></del> |                    |              |            |                  |                                              | <del></del>       |         |            | <u> </u>       | -            |                    |             |
| Bulb<br>Point |     |       |                   |             |                |               |                | L            |             |                    | 1            |            | 1                |                                              | f                 |         |            | <b>!</b>       |              | 1                  |             |

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DATA PROCESSING BRANCH USAF ETAC

### **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA          | LMST    | RUM      | AFB   | MT/G     | REAT   | FAL     | LŞ       |         | 08-     | 77      |         |         | YE      | ARS     |           |      |            |          | <u>М</u> , | A Y           |
|------------------|-------------|---------|----------|-------|----------|--------|---------|----------|---------|---------|---------|---------|---------|---------|---------|-----------|------|------------|----------|------------|---------------|
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      | PAGI       | E 2      | 1800-      | -2000         |
| Ten p            |             |         |          |       |          |        |         | TEMPER   |         |         |         |         |         |         |         |           |      | TOTAL      |          | TOTAL      |               |
| (F)              | 0           | 1 - 2   | 3 - 4    | 5 - 6 | 7 - 8    | 9 - 10 | 11 - 12 | 13 - 14  | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30   | ≥ 31 | D.B./W.B.  | Dry Bulb | Wet Bulb   |               |
| 16/ 15<br>14/ 13 |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            | 14            |
| 12/ 11<br>10/ 9  | -           |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            | 5<br>2<br>930 |
| TOTAL            | .5          | 8.2     | 9.7      | 8.8   | 6.8      | 9.9    | 11.8    | 10.4     | 12.0    | 8.5     | 6.0     | 2.6     | 2.8     | 1.1     | •6      | •2        |      | 930        | 930      | 930        | 930           |
|                  |             |         |          |       | L _      |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             | ļ<br>—— |          |       | <u> </u> |        |         | ļ<br>    |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             | ,       |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         | ļ        |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  | <del></del> | <br>    | -        |       |          |        |         |          |         |         | ļ       |         |         |         |         |           |      |            |          |            |               |
|                  |             |         | <u> </u> |       |          |        | ļ       |          |         | <u></u> |         |         |         |         |         |           |      |            |          | ļ          |               |
|                  |             |         |          |       |          |        | ļ       |          |         |         |         |         |         |         | ļ<br>   | <br> <br> | Ŀ    |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
|                  |             |         |          |       |          |        |         |          |         |         |         |         |         |         |         |           |      |            |          |            |               |
| Element (X)      |             | Σχż     |          |       | Σχ       |        | X       | <b>₹</b> |         | No. O   | 1       |         |         |         |         |           |      | th Tempera |          |            |               |
| Rel. Hum.        |             | 247     | 5504     |       | 430      | 000    | 46.2    | 21.6     | 97      | 9       | 30      | ⊴ 0     | F       | ≤ 32 F  | ≥ 67    |           | 73 F | ≥ 80 F     | ≥ 93     | F          | Total         |
| Dry Bulb         |             |         | 33154    |       |          |        | 57.2    | 9,9      | 48      | 9       | 30      |         |         |         | 16      | •5        | 6.6  | 10         | 2        |            | 93            |
| Wet Bulb         |             | 197     | 16151    |       | 425      | 53     | 45.8    | 5,5      | 97      |         | 30      |         |         | . 8     |         |           |      | ļ          |          |            | 93            |
| Dew Point        |             | 113     | 30810    | ì     | 314      | 84     | 33.9    | 8.3      | 62      | 9       | 30      |         | 1       | 38,1    | i .     |           |      | I          | 1        | ı          | 93            |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE 0.26-5 (OL A)

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4

1

Wet Bulb Dew Point

| STATION     |     | <u> </u> |       | <1    | ATION N    | AME      | FAL      |         |         | 68-      |         |                |        | YE        | ARS       |                   |             |              | M MO         |     |
|-------------|-----|----------|-------|-------|------------|----------|----------|---------|---------|----------|---------|----------------|--------|-----------|-----------|-------------------|-------------|--------------|--------------|-----|
|             |     |          |       |       |            |          |          |         |         |          |         |                |        |           |           |                   | PAG         | E 1          | 2100         |     |
| Temp        |     |          |       |       |            | WET      | BULB T   | EMPER   | ATURE   | DEPRE    | SSION ( | F)             |        |           |           |                   | TOTAL       |              | TOTAL        | _   |
| (F)         | 0   | 1 - 2    | 3 - 4 | 5 - 6 | 7 - 8      | 9 - 10   | 11 - 12  | 13 - 14 | 15 - 16 | 17 - 18  | 19 - 20 | 21 - 22        | 23 - 2 | 4 25 - 26 | 27 - 28 2 | 29 - 30 2         | 1 D.B./W.B. | Dry Bulb     | Wet Bulb     | ه د |
| 84/ 83      |     |          |       |       |            |          |          |         |         |          |         |                |        | •1        | • 1       |                   | 2           | 2            |              | 7   |
| 82/ 81      |     |          | j     |       |            |          |          |         |         |          |         |                |        | • 1       |           |                   | 1           | 1            |              | 1   |
| 72/ 71      |     |          |       |       |            |          |          |         |         |          |         | • 1            |        |           |           |                   | 1           |              |              | T   |
| 70/ 69      |     |          |       |       | j          |          |          |         | .2      | .2       | , 1     |                |        | _ [ ]     |           |                   | 5           | 5            | ļ            |     |
| 68/ 67      |     |          |       |       |            |          | • 2      | i       | • 1     |          | • 1     | • 1            |        |           | Ì         |                   | 5           |              |              | Γ   |
| 66/ 65      |     |          |       |       | • 1        | • 1      | . 3      | .6      | . 1     | .1       | •2      |                |        | 1         |           | l                 | 15          | 15           | 1            | 1   |
| 64/ 63      |     |          |       |       | • 1        | , 5      | •4       | • 1     | •3      | . 8      | . 1     |                |        |           |           |                   | 22          | 22           |              | Τ   |
| 62/ 61      |     |          |       |       | • 1        | 1,2      | .5       | .5      | .6      |          |         |                |        |           |           |                   | 29          |              |              |     |
| 60/ 59      |     |          |       | . 2   | • 2        | • 4      | • 4      | •9      | •6      |          |         |                |        |           |           |                   | 26          |              | 1            | Ţ   |
| 58/ 57      |     | ļ        | • 1   | • 2   | , 5        | 1.7      | . 8      | 1.5     | , 2     |          |         |                |        |           |           |                   | 47          |              | 3            | 1   |
| 56/ 55      |     |          | . 5   | .6    | 1,5        |          | 1.0      | 1.5     | •2      |          |         |                |        |           |           |                   | 62          |              | 8            | H   |
| 54/ 53      |     | . 1      | • 6   | •6    | 1,2        |          | 1.6      | • 9     | .1      |          |         |                |        |           |           |                   | 74          |              | 16           |     |
| 52/ 51      |     | . 8      | 1.5   | 2.2   | 1.1        | 1.9      | . 6      | .6      |         |          |         |                |        |           |           |                   | 81          |              | 34           | ٠   |
| 50/ 49      |     | . 6      | 2.0   | 2.4   | 1,5        | 1.7      | . 5      | .4      | . 1     |          |         |                |        |           |           |                   | 87          |              | 1            |     |
| 48/ 47      | _ i | 1.2      | 2.6   |       | 1,3        | 1.0      | . 8      | • 1     |         |          |         |                |        |           |           |                   | 89          |              |              | 4   |
| 46/ 45      |     | 3.2      | 2.2   |       | 2,8        |          | .6       | • 1     |         |          |         |                |        |           |           |                   | 114         |              |              | _   |
| 44/ 43      |     | 1.5      | 2.8   | . 9   | 1.2        | 1.5      |          |         | I       | !!       |         |                |        | 1 1       |           | 1                 | 73          |              | 144          | ۱,  |
| 42/ 41      | . 1 | 1.9      | 2.3   | . 8   | •6         |          |          |         |         |          |         |                |        |           |           |                   | 53          |              |              |     |
| 40/ 39      |     | 2.9      | 1.9   | 1.2   |            |          | l 1      |         | 1       |          |         |                |        |           |           | 1                 | -63         |              |              |     |
| 38/ 37      | • 2 | 1.9      | . 9   | 1.1   | ,4         |          |          |         |         |          |         |                |        |           |           |                   | 42          |              |              |     |
| 36/ 35      | . 4 |          | • 3   |       | <u>• 1</u> | !        |          |         |         |          |         |                |        |           | i i       | i                 | 25          |              | 1            |     |
| 34/ 33      | 3   |          |       | • 2   |            |          |          |         |         |          |         |                |        |           |           |                   | 9           | +            | +            |     |
| 32/ 31      |     | .2       | • 1   |       | • 1        |          |          |         |         | į i      |         |                |        |           |           |                   | 4           | 4            | 22           | !   |
| 30/ 29      | 1   |          |       |       |            |          |          |         |         |          |         |                |        | _         |           | _                 | 1           | 1            | 10           | 4   |
| 28/ 27      |     |          |       |       |            | ŀ        |          |         |         |          |         |                |        |           |           |                   |             |              | 3            | ١į  |
| 26/ 25      |     |          |       |       |            |          |          |         |         |          |         |                |        |           |           |                   |             | <del> </del> | <del> </del> | 4   |
| 24/ 23      |     |          |       |       |            |          |          |         |         |          |         |                |        |           |           |                   |             |              | 1            | ١,  |
| 22/ 21      |     |          |       |       |            |          |          |         |         | <u> </u> |         |                |        |           |           |                   |             | <b></b>      | <u> </u>     | ļ   |
| 20/ 19      |     |          |       |       |            | ļ        |          |         |         |          |         |                |        | ] ]       |           |                   |             |              | ĺ            | 1   |
| 18/ 17      |     |          |       |       |            | ļ        |          |         |         | ļ'       |         |                |        | _         |           |                   |             | <u> </u>     | ļ            | 4   |
| 16/ 15      |     |          |       |       |            |          |          |         |         |          |         |                |        |           |           |                   | Ì           |              | l            | ١   |
| 14/ 13      |     |          |       |       |            | ļ        |          |         |         | <u> </u> |         |                |        | _         | <u> </u>  |                   |             |              | <del></del>  | 4   |
| 12/ 11      |     |          |       |       |            |          |          |         |         |          | ļ .     |                |        |           |           | ]                 |             | 1            |              | 1   |
| 10/ 9       |     |          |       |       |            | <u>!</u> | <u> </u> | لبسا    | ـــــ   | <u> </u> | L       |                | L      |           | لــــا    |                   |             | <u> </u>     | Щ.           | 1   |
| Element (X) |     | Σχ' Σχ Υ |       |       | 2 X        |          | X        |         | -       | No. Ob   | 9.      | ± 0 F   ± 32 F |        |           |           | Mean No. of Hours |             | ture ≥ 93    | <del></del>  | т   |

FORM 0.26-5 (OL A)

USAFETAC

# **PSYCHROMETRIC SUMMARY**

| 24112   | MALMSTRUM AFB MT/GREAT FALLS | 68-77 | MAY          |     |
|---------|------------------------------|-------|--------------|-----|
| STATION | STATION NAME                 | YEARS | MONTH        |     |
|         |                              | PAGE  | 2 2100~23    |     |
|         |                              |       | HOURS (L. S. | T.) |

| Temp.                    |     |                 |                |                |                                                  | WET                                              | BULB 1    | TEMPER                    | ATURE   | DEPRE                                            | SSION (                                          | F)      |              |                                                  |                                                  |              |                                                  | TOTAL                                            |              | TOTAL |              |
|--------------------------|-----|-----------------|----------------|----------------|--------------------------------------------------|--------------------------------------------------|-----------|---------------------------|---------|--------------------------------------------------|--------------------------------------------------|---------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|-------|--------------|
| (F)                      | 0   | 1 - 2           | 3 - 4          | 5 - 6          | 7 - 8                                            | 9 - 10                                           | 11 - 12   | 13 - 14                   | 15 - 16 | 17 - 18                                          | 19 - 20                                          | 21 - 22 | 23 - 24      | 25 - 26                                          | 27 - 28                                          | 29 - 30      | ≥ 31                                             | D.B./W.B.                                        | Dry Bulb     |       | Dew Poin     |
| TOTAL                    | 1.2 | 16.1            | 17.8           | 15.6           | 13.3                                             | 15,8                                             | 7.8       | 7.3                       | 2.7     | 1.2                                              | •5                                               | • 2     |              | 25 - 26                                          | •1                                               |              |                                                  | 930                                              | 930          | 930   | 930          |
|                          |     |                 |                |                | ,                                                |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | ļ              | <del> </del> - |                                                  |                                                  |           |                           |         | <del> </del>                                     |                                                  | ——      | <del> </del> | ļ                                                | <u> </u>                                         |              |                                                  |                                                  |              |       | ļ            |
|                          |     |                 | ł              |                |                                                  | 1                                                |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       | ļ            |
|                          |     | l <del></del> - | <u> </u>       |                | _                                                |                                                  |           |                           |         | <u> </u>                                         | <b></b>                                          |         | <del> </del> | <del>                                     </del> | <del>                                     </del> | <del> </del> | <del> </del>                                     |                                                  |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
| ļ                        |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | <del> </del>   |                | <del> </del>                                     | <del> </del>                                     |           |                           |         | <u> </u>                                         |                                                  |         | ļ            | ļ                                                |                                                  |              | ļ                                                |                                                  |              | ···   | <u> </u>     |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  | ļ            |                                                  |                                                  |              |       |              |
|                          |     |                 | † <del></del>  |                | <del>                                     </del> | <u> </u>                                         |           |                           |         | <u> </u>                                         | <u> </u>                                         |         | <del> </del> |                                                  |                                                  |              | <del> </del> -                                   |                                                  |              |       | <del></del>  |
|                          |     |                 |                |                |                                                  |                                                  |           |                           | !       |                                                  |                                                  |         |              | :                                                |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              | · .                                              |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | <del> </del>   |                | <del> </del>                                     |                                                  |           |                           |         |                                                  |                                                  |         | ļ            | ļ <u>.</u>                                       | <u> </u>                                         |              | ļ                                                |                                                  |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | <del> </del>   | -              |                                                  | <del>                                     </del> |           |                           |         | <del>                                     </del> |                                                  |         |              | <del> </del>                                     |                                                  | <del> </del> | <del> </del>                                     | <del> </del>                                     |              |       | <del> </del> |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         | <u> </u>     | 1                                                |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | ļ              |                | ļ                                                | ļ                                                |           |                           |         |                                                  |                                                  |         | <u> </u>     |                                                  |                                                  | <u> </u>     |                                                  |                                                  |              |       | <u> </u>     |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | -              |                | ├                                                | -                                                |           |                           |         | -                                                | -                                                |         | <del> </del> |                                                  |                                                  | <del> </del> |                                                  | -                                                |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         | İ                                                |                                                  |         |              |                                                  |                                                  | 1            |                                                  |                                                  |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  | 1 1                                              | -            |       |              |
|                          |     |                 | <u> </u>       | <u> </u>       |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              | ļ                                                | ļ                                                |              |                                                  | <u> </u>                                         |              |       |              |
|                          |     |                 |                |                | 1                                                |                                                  |           |                           |         | 1                                                |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 | -              | <del> </del>   | <del> </del>                                     | <del> </del> -                                   |           |                           |         | <del> </del>                                     | <del>                                     </del> |         | -            | <del> </del>                                     | <del> </del>                                     | <del> </del> | <del>                                     </del> |                                                  |              |       | -            |
|                          |     |                 |                |                |                                                  |                                                  |           |                           |         |                                                  |                                                  |         |              |                                                  |                                                  |              |                                                  |                                                  |              |       |              |
|                          |     |                 |                |                |                                                  |                                                  | <u> </u>  |                           |         |                                                  |                                                  |         |              |                                                  | <u> </u>                                         |              |                                                  |                                                  |              |       |              |
|                          |     | <u></u>         | <u> </u>       | ļ              |                                                  | <u> </u>                                         | <u> </u>  |                           | ,       |                                                  | <u> </u>                                         |         | <u> </u>     | <u> </u>                                         | L                                                |              | <u> </u>                                         | <u> </u>                                         |              |       | <u> </u>     |
| Element (X)<br>Rel. Hum. |     | Σχ,             | 10570          |                | ZX                                               | 4.0                                              | X<br>SO E | <b>√</b> <sub>x</sub>     | 4.4     | No. Ol                                           |                                                  |         |              | - 00 5                                           |                                                  |              |                                                  | h Temperatu                                      |              |       |              |
| Dry Bulb                 |     | 202             | 52579<br>34497 | 1              | 275                                              | 01                                               | <u> </u>  | 7.0                       | 77      | - 9                                              | 30                                               | ⊴ 0     | -            | ≤ 32 F                                           | ≥ 67                                             | · 4          | 73 F                                             | ≥ 80 F                                           | ≥ 93 F       |       | Total 93     |
| Wet Bulb                 |     | 166             | 6424           | -              | 390                                              | 30                                               | 42.0      | 19,6<br>7,9<br>5,5<br>7,7 | 31      |                                                  | 30                                               |         |              | 3.6                                              | <del>                                     </del> |              |                                                  | 1 3                                              | <del>'</del> | -     |              |
| Dew Point                |     | 112             | 24428          |                | 315                                              | 34                                               | 33.9      | 7.7                       | 08      | 9                                                | 30                                               |         |              | 3,6                                              |                                                  | $\neg$       |                                                  | <del>                                     </del> | 1            |       | 93<br>93     |

#### **PSYCHROMETRIC SUMMARY**

395 g

| Temp        |     |       |       |                                                  |       | WET        | BULB 1 | EMPER          | ATURE | DEPRE       | SSION (  | F)                                               |          |               |                                                  |                                                  |                                                  | TOTAL                                            | 1            | TOTAL    |                                                  |
|-------------|-----|-------|-------|--------------------------------------------------|-------|------------|--------|----------------|-------|-------------|----------|--------------------------------------------------|----------|---------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|----------|--------------------------------------------------|
| (F)         | 0   | 1 - 2 | 3 - 4 | 5 - 6                                            | 7 - 8 |            |        |                |       |             |          |                                                  | 23 - 24  | 25 - 26       | 27 - 2                                           | 3 29 - 30                                        | ≥ 31                                             |                                                  | Dry Bulb     |          | Dew Poin                                         |
| 92/ 91      |     |       |       |                                                  |       |            |        |                |       | i           |          |                                                  |          | i             |                                                  | .0                                               |                                                  | 5                                                | 5            | 1        |                                                  |
| 88/ 87      |     |       |       |                                                  | - 1   |            |        |                |       |             |          | ļ                                                |          | 1             |                                                  |                                                  | "                                                | 1                                                | 1            | ł        | ļ                                                |
| 86/ 85      |     |       |       |                                                  |       |            |        |                |       |             |          |                                                  |          | <u> </u>      |                                                  |                                                  | •1                                               | 4                                                | 4            | <b>i</b> |                                                  |
| 84/ 83      |     | İ     |       |                                                  | - 1   |            | į      |                |       |             | 1        |                                                  | .1       | .1            | .1                                               | 0                                                |                                                  | 25                                               | 25           | 1        | 1                                                |
| 82/ 81      |     |       |       |                                                  |       |            |        |                |       |             |          | • 1                                              | . 2      |               | • 1                                              |                                                  |                                                  |                                                  |              |          |                                                  |
| 80/ 79      |     |       |       |                                                  | -     |            |        |                |       | ,           | .1       | . 1                                              | . 2      |               |                                                  |                                                  |                                                  | 56                                               |              |          | 1                                                |
| 78/ 77      |     |       |       |                                                  |       |            |        |                |       | .0          | • 1      | •1                                               | .3       |               | •0                                               |                                                  |                                                  | 49                                               | 49           |          |                                                  |
| 76/ 75      |     |       |       |                                                  | I     |            |        |                |       | .1          | ,2       | . 4                                              | , 3      |               |                                                  |                                                  | 1                                                | 93                                               |              | 1        |                                                  |
| 74/ 73      |     |       |       |                                                  |       |            |        |                | .1    | •1          | •3       | •4                                               | .3       |               |                                                  | 1                                                |                                                  | 101                                              | 101          |          |                                                  |
| 72/ 71      |     |       |       |                                                  | 1     | - 1        | •0     | . 1            | .2    | 1 .2        | 7        | .3                                               | . 2      |               | 1                                                |                                                  | 1                                                | 129                                              |              | 1        | <u> </u>                                         |
| 70/ 69      |     |       | 1     |                                                  |       |            | •0     | •1             | .5    | .8          | .5       | •6                                               | .1       |               | $\vdash$                                         | 1                                                | 1                                                | 197                                              | 197          |          | <del>                                     </del> |
| 68/ 67      |     |       |       |                                                  |       |            | . 1    | .4             | .7    | 6           | .5       | .3                                               | .0       |               | ļ                                                |                                                  | 1                                                | 192                                              | 192          |          |                                                  |
| 66/ 65      |     |       |       |                                                  | •0    | • 1        | •4     | . 8            | .6    | .7          | .3       | •2                                               | •0       |               | 1                                                | 1                                                | 1                                                | 235                                              | 235          |          | i                                                |
| 64/ 63      |     |       | l     |                                                  | 1     | • 1<br>• 3 | . 8    | . 8            | 1.3   | ,7          |          |                                                  | .0       |               | J                                                |                                                  |                                                  | -320                                             |              |          |                                                  |
| 62/ 61      |     |       |       |                                                  | •1    | • 6        | . 8    | ,9             | , 9   | ,5          | •2       |                                                  |          |               | <del>                                     </del> | 1                                                | <del>                                     </del> | 1306                                             |              |          |                                                  |
| 60/ 59      |     |       |       | .1                                               | .4    | . 6        |        | 1.2            | 1.1   | 1           | .1       |                                                  |          | 1             |                                                  |                                                  | 1                                                | -330                                             |              |          |                                                  |
| 58/ 57      |     | .0    | •1    | • 3                                              | . 8   | 1.1        | . 9    | 1.4            | •6    |             |          |                                                  |          |               |                                                  | 1                                                | 1                                                | 412                                              | 412          |          | <del></del>                                      |
| 56/ 55      | İ   | , i   | .3    |                                                  | 1.0   | 1.1        | 1.3    | .7             | .5    | .1          |          | ļ                                                |          | 1             |                                                  | 1                                                | 1                                                | 433                                              | 433          |          |                                                  |
| 54/ 53      |     | •1    | •6    |                                                  | 1.1   | 1.3        | 1.0    | .5             | ,3    |             |          |                                                  |          |               |                                                  | 1                                                |                                                  | 421                                              | 421          | 327      | , 3                                              |
| 52/ 51      | .0  |       |       |                                                  | 1.0   | 1.4        | .7     | .4             | .1    | .0          |          | 1                                                | İ        |               |                                                  |                                                  |                                                  | 463                                              |              |          | 23                                               |
| 50/ 49      | •0  |       | 1.5   | 1.4                                              | 1.1   | 1.1        | .5     |                | •0    |             |          |                                                  |          | T             |                                                  |                                                  | 1                                                | 472                                              | 472          |          | 43                                               |
| 48/ 47      |     | 1.0   | - : - |                                                  | 1.0   | 1.0        |        | .1             |       | İ           | 1        | !                                                |          |               | İ                                                | ł                                                |                                                  | 556                                              |              | 718      | 104                                              |
| 46/ 45      | •0  |       |       | 1.9                                              | 2,1   | , 8        | .2     | •0             |       |             | 1        | <u> </u>                                         | <u> </u> |               | <b>-</b>                                         |                                                  |                                                  | 659                                              | 659          |          | 275                                              |
| 44/ 43      | .0  |       |       |                                                  | , 9   | . 4        |        |                |       |             | ļ        |                                                  |          | 1             | ļ                                                | 1                                                | 1                                                | -448                                             |              | 894      |                                                  |
| 42/ 41      | • 1 | 1.7   | 1.4   | . 8                                              | , 5   |            |        |                |       |             | †        |                                                  |          | 1             |                                                  | 1                                                |                                                  | 333                                              |              | 808      | 537                                              |
| 40/ 39      | .1  |       |       | 1.2                                              | . 5   | .0         |        |                |       | 1           |          |                                                  |          |               | ĺ                                                | 1                                                | ı                                                | 387                                              |              |          | 662                                              |
| 38/ 37      | . 3 |       |       |                                                  |       |            |        |                |       |             |          |                                                  |          | 1             | <u> </u>                                         | <del>                                     </del> |                                                  | 264                                              | 264          |          | 625                                              |
| 36/ 35      | .3  | 1.7   | .7    |                                                  | ,1    |            |        |                |       |             |          | 1                                                |          |               |                                                  |                                                  | 1                                                | 253                                              |              |          | 820                                              |
| 34/ 33      | • 2 |       |       | •2                                               |       |            |        |                |       | <del></del> | <b> </b> |                                                  |          | 1             | Τ                                                | 1                                                | 1                                                | 130                                              |              |          | 694                                              |
| 32/ 31      | .0  | .4    | •5    | .2                                               | .0    |            |        |                |       | ļ           |          | ]                                                |          |               |                                                  |                                                  | !                                                | 68                                               |              |          |                                                  |
| 30/ 29      | • 1 | •1    |       |                                                  |       |            |        |                |       | 1           |          | <del>                                     </del> | <u> </u> | 1             | 1                                                | 1                                                |                                                  | 27                                               |              | 103      |                                                  |
| 28/ 27      | .0  |       |       | i                                                |       |            |        |                |       |             |          |                                                  |          | 1             |                                                  |                                                  |                                                  | 19                                               | 1            |          | 63                                               |
| 26/ 25      |     | •0    |       |                                                  |       |            |        |                |       |             |          |                                                  | T        | 1             | †                                                | 1                                                | 1                                                | 6                                                | +            |          | 400                                              |
| 24/ 23      |     | .0    |       |                                                  |       |            |        |                |       | İ           |          |                                                  |          |               |                                                  |                                                  |                                                  | ĺ                                                | ì            | lii      |                                                  |
| Element (X) |     | ZX2   | L     |                                                  | Σχ    |            | X      | σ <sub>8</sub> |       | No. OI      | ·s.      | <u> </u>                                         |          | <del></del>   | Mean                                             | No. of I                                         | lours wit                                        | h Tempera                                        | iture        | ·        |                                                  |
| Rel. Hum.   |     |       |       | <del>                                     </del> |       | $\dashv$   |        | <del></del>    |       |             |          | ± 0                                              | f        | ≤ 32 F        | ~~~~                                             |                                                  | ≥ 73 F                                           | ≥ 80 F                                           |              | F        | Total                                            |
| Dry Bulb    |     |       |       |                                                  |       |            |        |                |       |             |          |                                                  |          | <del></del> - | <del>                                     </del> |                                                  |                                                  | 1                                                | <del> </del> |          | ,                                                |
| Wet Bulb    |     |       |       | <del> </del>                                     |       | -          |        |                | -     |             |          |                                                  |          |               | 1                                                | _                                                |                                                  | <del> </del>                                     |              |          |                                                  |
| Dew Point   |     |       |       | <del> </del>                                     |       |            |        |                |       |             |          |                                                  |          |               | 1                                                | _                                                |                                                  | <del>                                     </del> |              |          |                                                  |
|             |     |       |       |                                                  |       |            |        |                |       |             |          |                                                  |          |               |                                                  |                                                  |                                                  |                                                  |              |          |                                                  |

AFETAC FORM 0.26-5 (

## **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MAL            | MST   | ROM          | AFB          | MT/G         | REAT           | FAL        | <u>LS</u>    |               | 68-          | 77           |          |         |          |          |          |                                                  |              |          | M/                                               | AY<br>NTH |
|------------------|----------------|-------|--------------|--------------|--------------|----------------|------------|--------------|---------------|--------------|--------------|----------|---------|----------|----------|----------|--------------------------------------------------|--------------|----------|--------------------------------------------------|-----------|
| STATION          |                |       |              | 51           | TATION N     | AME            |            |              |               |              |              |          |         | YE       | ARS      |          |                                                  | BACI         |          | Al                                               |           |
|                  |                |       |              |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  | PACI         | = 2      | HOURS (                                          | L. S. T.) |
| Temp             |                |       |              |              |              | WET            | BULB       | TEMPER       | ATURE         | DEPRE        | SSION (      | F)       |         |          |          |          |                                                  | TOTAL        |          | TOTAL                                            |           |
| (F)              | 0              | 1 - 2 | 3 - 4        | 5 - 6        | 7 - 8        |                |            |              |               |              |              |          | 23 - 24 | 25 - 26  | 27 - 28  | 29 - 30  | ≥ 31                                             |              | Dry Bulb |                                                  | Dew Point |
| 22/ 21           |                |       |              |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          | 7                                                | 237       |
| 20/ 19           |                |       |              |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  | 148       |
| 18/ 17           |                |       |              |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  | 115       |
| 16/ 15           |                |       |              |              |              | <u> </u>       |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  | 67        |
| 14/ 13           |                |       |              |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  | 31        |
| 12/ 11           |                |       |              |              |              | L              |            |              |               | ļ            | ļ            |          |         |          |          |          | <u> </u>                                         | <u> </u>     |          |                                                  | 16        |
| 10/ 9<br>8/ 7    |                |       |              |              | 1            |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  | 6         |
| TOTAL            | 1 21           | 3.6   | 15.0         | 13.2         | 11.1         | 10.0           | 8.0        | 7.7          | 7.0           | 4.4          | 2.1          | 2.6      | 1.7     | •7       | •4       | •2       | •2                                               | ·            | 7439     |                                                  | 7438      |
| ioivr            | •••            |       | 13.0         |              | ****         | 1000           |            | , • •        | ' • 0         | 707          | 3.1          | 2,0      |         | ''       | • 7      | 72       | ••                                               | 7438         | , 43,    | 7438                                             |           |
| -                | -              |       |              |              |              | <del> </del>   |            |              |               |              |              |          |         |          |          |          | <del>                                     </del> | 1,430        |          |                                                  |           |
|                  |                |       |              |              |              | Ì              |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  |           |
|                  |                |       |              |              | i            |                | i          |              |               |              |              |          |         |          |          |          |                                                  | !            |          |                                                  |           |
|                  |                |       |              |              |              |                | ļ          |              |               |              |              |          |         |          |          |          | <u> </u>                                         |              |          |                                                  |           |
|                  |                |       |              |              |              |                | ĺ          |              |               |              |              |          |         |          | •        |          | í                                                |              |          |                                                  |           |
|                  |                |       |              |              |              | <u> </u>       |            |              |               |              |              |          |         |          |          |          | ļ                                                |              |          | ļ                                                |           |
|                  |                |       |              |              |              |                |            |              |               | 1            |              |          |         |          |          |          |                                                  | 1            |          |                                                  |           |
|                  |                |       |              |              | <del> </del> |                |            |              |               | ļ            |              |          |         | ļ        |          |          | <del> </del>                                     | ļ            |          | ļ                                                |           |
|                  |                |       | i            |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  |           |
|                  |                |       |              |              |              | <del> </del>   |            |              |               | <del> </del> |              |          |         |          |          |          |                                                  |              |          | <del> </del>                                     | <b></b>   |
|                  |                |       |              |              |              |                |            |              |               | 1            |              |          |         |          |          |          |                                                  |              |          |                                                  |           |
|                  | <del> </del> - |       | <del> </del> |              | {            | <del></del>    | <b> </b>   |              |               | ├──          | <del></del>  |          |         |          | <u> </u> |          |                                                  | <del> </del> |          | <del> </del>                                     | ·         |
|                  | į              |       |              |              |              |                |            |              | ļ             |              |              |          |         | ]        |          |          |                                                  | ,            |          |                                                  |           |
|                  |                |       |              |              |              | <u> </u>       |            |              | l             | <del> </del> | · · · · ·    | ····     |         |          |          |          | T                                                |              |          | <del> </del>                                     | i         |
|                  | 1              |       |              |              | ļ            |                |            | İ            |               | ļ            |              |          |         |          |          |          |                                                  | ļ            | _        |                                                  |           |
|                  |                |       |              |              |              |                |            |              |               |              |              |          |         |          |          |          |                                                  |              |          |                                                  |           |
|                  |                |       |              |              |              |                |            |              |               | <u> </u>     |              |          |         |          |          |          |                                                  |              |          |                                                  |           |
|                  | ļ              |       |              |              |              |                |            |              |               |              | İ            |          |         |          | Ì        |          |                                                  | ĺ            |          |                                                  |           |
|                  | .              |       | <u> </u>     |              | ļ            |                | <b> </b> - | <b>⊢</b> —   | <u> </u>      | <u> </u>     | <u> </u>     | <u> </u> | ļ       | <u> </u> |          |          |                                                  | <u> </u>     |          |                                                  |           |
|                  |                |       |              |              |              |                |            | ł            | 1             |              |              |          | 1       | <u> </u> |          |          |                                                  |              |          | 1                                                | ]         |
|                  |                |       | <u> </u>     | <del> </del> |              | <del> </del> - |            | <del> </del> | <del> </del>  | <del> </del> | <del> </del> | ļ        | ļ       | <b> </b> |          |          |                                                  | <u> </u>     | <b></b>  | <del>                                     </del> | ├         |
|                  |                |       |              |              | 1            |                |            |              |               |              |              |          | }       |          |          | [        | 1                                                |              |          |                                                  | ]         |
| Element (X)      | <u>_</u>       | x,    | <u> </u>     |              | ZX           | <del></del>    | X          | ·,           | ' <del></del> | No. Ol       | )s.          | l        | L       | L        | Mean P   | lo. of H | Ours wis                                         | h Tempera    | ture     | I                                                |           |
| Rel. Hum.        |                |       | 3835         |              | 4012         | 45             | 53.9       |              |               |              | 38           | ⊴ 0      | F :     | ≤ 32 F   | ≥ 67     |          | 73 F                                             | > 80 F       | ≥ 93     | F                                                | Total     |
| Dry Butb         | 2              | 124   | 7707         |              | 3885         | 75             | 52.2       | 11.3         | 05            | 74           | 39           |          |         | 12.1     |          | .5       | 37.7                                             |              |          |                                                  | 744       |
| Wet Bulb         | <del>-</del>   | 421   | 0703         |              | 3214         | 39             | 43.2       | 6.5          | 54            |              | 38           |          |         | 41.7     |          |          | <del></del>                                      |              |          |                                                  | 744       |
| Dew Point        |                |       | 3989         |              | 2493         | 171            | 33,5       | 7.5          | 45            |              | 38           |          |         | 19,4     |          |          |                                                  |              |          |                                                  | 744       |

BEVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

MIN 0.26-5 (OLA)

SAFETAC

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC JUN MALMSTROM AFB MT/GREAT FALLS 68-77 0000-0200 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 25 | 27 - 28 | 29 - 30 | 21 82/ 81 •1 76/ 75 Ī 74/ 73 1 72/ 71 70/ 69 8 .1 68/ 67 18 66/ 65 .6 30 30 . 8 64/ 63 . 8 42 42 1,2 62/ 61 55 55 . 2 1.8 60/ 59 1,6 2.3 •9 60 60 10 . 9 . 7 58/ 57 1.6 2.1 1.6 64 64 26 1.8 2.7 56/ 55 90 90 37 91 91 54/ 53 3.2 . 8 11 59 2.7 2.9 2.4 2.0 91 52/ 51 . 2 2.6 1.4 91 102 28 50/ 49 89 3.8 +6 89 115 39 66 48/ 47 2.4 76 76 ,6 • 6 118 1.6 2.4 1.7 1,3 101 46/ 45 66 66 138 1.9 44/ 43 52 52 93 112 88 21 42/ 41 21 1.0 80 95 40/ 39 . 8 26 26 41 38/ 37 • 1 • 6 48 101 36/ 35 89 1 17 34/ 33 • 4 45 32/ 31 32 30/ 29 34 28/ 27 26 26/ 25 24/ 23 22/ 21 TOTAL .314.621.819.316.215.0 6.7 3.9 1.1 900 900 .6 900 900 Element (X) No. Obs. Mean No. of Hours with Temperature 900 64.415.971 Rel. Hum. 57948 3960386 ≤ 0 F ± 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 53.1 7.532 46.7 5.625 40.5 6.635 900 Dry Bulb 90 2590134 47804 90 Wet Bulb 1994699 42067 900 Dew Point 1519368 36494 90

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION NAME PAGE 1 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 | 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 76/ 75 74/ 73 3 3 3 72/ 71 70/ 69 68/ 67 5 66/ 65 12 64/ 63 . 2 . 3 27 2.7 39 39 62/61 39 39 60/ 59 • 6 .6 58/ 57 56/ 55 47 1.2 1.8 47 1.6 79 5 3.0 2.9 18 2.2 1,8 .1 54/ 53 1.9 98 98 . 2 1.3 44 94 • 1 94 77 18 52/ 51 2.1 92 3.8 2.6 92 24 50/ 49 2.0 1.8 . 1 3.3 2.8 3.6 2.1 74 3.7 . 1 107 107 118 48/ 47 91 1,2 95 95 46/ 45 146 57 1.1 2.6 1.7 57 104 132 44/ 43 1.0 71 40 42/ 41 1.6 .6 40 81 97 40/ 39 1.0 1.6 28 28 71 16 16 102 54 38/ 37 1.2 . 8 36/ 35 • 1 8 28 87 66 34/ 33 .4 4 21 32/ 31 33 3 . 2 6 30/ 29 33 32 28/ 27 2 26/ 25 11 24/ 23 22/ 21 5 8 900 900 TUTAL .318.926.319.618.7 9.1 4.2 1.1 1.2 S S 900 900 0.26.5 1 Element (X) No. Obs. Mean No. of Hours with Temperature 900 Rel. Hum. 4333242 60970 67,715.022 ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 2369706 900 90 Dry Bulb 45732 50.8 7.146 .5 .9 Wet Bulb 1878436 40810 45.3 5.574 900 90 Dew Point 1466685 35857 39.8 6.510 90

# PSYCHROMETRIC SUMMARY

| PAGE 1   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   October   Octob | 24112<br>STATION      | MA  | LMST  | ROM     |       | MT/G  |        | FAL      | LS       |         | 68-     | 77      |         |          |              | EARS           |                                                  | <del></del>                                      |              |              | Ji       |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----|-------|---------|-------|-------|--------|----------|----------|---------|---------|---------|---------|----------|--------------|----------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|----------|------------|
| Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Seco |                       |     |       |         |       |       |        |          |          |         |         |         |         |          | •            |                |                                                  |                                                  | PAGE         | 1            | 0600-    | -0800      |
| 82/ 81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |     |       |         |       |       |        |          |          |         |         |         |         |          |              |                |                                                  |                                                  |              |              |          |            |
| 80/ 79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | 0   | 1 - 2 | 3 - 4   | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12  | 13 - 14  | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24  | 25 - 26      | 27 - 28        | 29 - 30                                          | 0 ≥ 31                                           | D.B./W.B.    | Dry Bulb     | Wet Bulb | Dew Point  |
| 76/ 75 74/ 73 74/ 73 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 72/ 71 70/ 69 70/ 60/ 65 71 71 71 71 72/ 77 77 77 77 77 77 77 77 77 77 77 77 77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |     |       |         |       |       |        |          |          |         |         |         | •1      |          | •1           |                |                                                  |                                                  | 1 3          | 1 3          |          |            |
| 72/ 71 70/ 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |     |       |         |       |       |        | .1       |          |         |         |         | .1      |          |              |                |                                                  |                                                  |              | 7            |          |            |
| 68/ 67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 72/ 71                |     |       |         |       |       |        | .4       | •7       | .3      |         | • 2     |         |          | 1            |                |                                                  |                                                  | 16           | 16           |          |            |
| 64/ 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 68/ 67                |     |       | 1       |       | •2    | 1.0    | 1.0      | .9       | .6      | •1      | ••      |         |          | <u> </u>     |                |                                                  | <del>                                     </del> | 35           | 35           |          |            |
| 60/59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 64/ 63                |     |       | • 6     | .7    | 1.0   | 3.0    | 2.2      | 1.6      |         | • 4     |         |         |          | $\vdash$     |                | <del>                                     </del> | -                                                | 81           | 81           |          |            |
| 56/55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 60/ 59                |     |       | •4      | 1.0   | 2,3   | 1.6    | .9       | • 2      |         |         |         |         |          | -            |                |                                                  | -                                                | 58           | 58           | 26       |            |
| 52 / 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 56/ 55                |     | 1 11  | 2.1     | 1.9   | 1.9   | 2,1    | .7       | •2       |         |         |         |         |          |              |                |                                                  | -                                                | 85           | 85           | 56       | 9          |
| 48/ 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 52/ 51                |     | .6    | 1.9     | 1.8   |       |        | •2       |          |         |         |         |         | •        | <del> </del> |                |                                                  | -                                                | 66           | 66           | 123      | 17<br>35   |
| 46/ 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |     |       | 3.1     | 2.0   |       |        | -1       |          |         |         |         |         |          |              |                |                                                  | <u> </u>                                         |              |              |          | 59<br>91   |
| 42/41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       | .2  |       |         |       | ,4    | • 1    |          |          |         |         |         |         |          | -            |                |                                                  |                                                  |              |              | 110      | 127<br>123 |
| 38/ 37 36/ 35 34/ 33 34/ 33 36/ 35 34/ 33 30/ 29 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 TÜTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 42/ 41                | •1  |       | • 2     | • 2   |       |        |          |          |         |         |         |         |          |              |                |                                                  | -                                                | 8            | 8            | 58       | 90         |
| 34/ 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 38/ 37                |     |       |         |       |       |        |          |          |         |         |         |         |          |              |                |                                                  | <del> </del>                                     |              |              | 15       | 85<br>50   |
| 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 34/ 33                |     | .4    |         |       |       |        |          |          |         |         |         |         |          | ļ            |                |                                                  |                                                  | 4            | 4            |          | 47         |
| 24/ 23 22/ 21  20/ 19 TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30/ 29                |     |       |         |       |       |        |          |          |         |         |         |         |          |              |                |                                                  |                                                  |              |              | *        | 20         |
| 22/ 21 20/ 19 TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 26/ 25                |     |       |         |       |       |        |          |          |         |         |         |         |          | ļ            |                |                                                  |                                                  |              |              |          | 23<br>3    |
| TOTAL .3 8.717.716.218.116.611.0 7.1 2.3 .7 .8 .2 .1 .2 900 900  Element (X)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 22/ 21                |     |       |         |       |       |        |          |          |         |         |         |         |          |              |                |                                                  |                                                  |              |              |          | 2          |
| Element (X)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20/ 19<br>TOTAL       | • 3 | 8.7   | 17.7    | 16.2  | 18,1  | 16.6   | 11.0     | 7.1      | 2.3     | .7      | . 8     | • 2     |          | .1           | .2             |                                                  |                                                  |              | 900          |          | 900<br>900 |
| Ref Hum.     3530607     54497     60.616.019     900     ± 0 F     ± 32 F     ± 67 F     ± 73 F     × 80 F     ± 93 F     Total       Dry Bulb     2920807     50799     56.4     7.717     900     9.5     2.3     .1     90       Wet Bulb     2175774     43986     48.9     5.381     900     .4     .4     .4     .9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |     |       |         |       |       |        |          |          |         |         |         |         |          |              |                |                                                  |                                                  | 900          |              | 900      |            |
| Dry Bulb 2920807 50799 56.4 7.717 900 9.5 2.3 .1 90<br>Wer Bulb 2175774 43986 48.9 5.381 900 .4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |     |       | 2 4 2 4 |       |       |        |          |          |         |         |         |         |          |              |                |                                                  |                                                  | <del>,</del> |              |          |            |
| Wet Bulb 2175774 43986 48.9 5.381 900 .4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |     |       |         | -     |       |        | <u> </u> | <u> </u> | 19      |         |         | = 01    | <u> </u> | ± 32 F       |                |                                                  |                                                  | <del></del>  |              |          |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |     |       |         |       |       |        |          |          |         |         |         |         |          | <del></del>  | <del>- 9</del> | •5                                               | Z•3                                              | • 1          | ·            |          | 90         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Wet Bulb<br>Dew Point |     |       |         |       |       |        |          |          |         |         |         |         |          | 7.7          |                |                                                  |                                                  |              | <del> </del> |          | 90<br>90   |

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS PORM

SAFETAC FORM 0.24

#### PSYCHROMETRIC SUMMARY

≥ 67 F | ≥ 73 F. | ≥ 80 F | ≥ 93 F

<u>₽</u> .

≤ 32 F

08-77 MALMSTROM AFB MT/GREAT FALLS JUN 0900-1100 PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. 7 - 8 9 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 Dry Bulb Wet Bulb Dew Point • 1 86/ 85 • 2 8 84/ 83 26 26 82/ 81 1.1 <u>.</u>3 35 1.0 . 2 35 80/ 79 +2 27 27 . 2 78/ 1.1 .6 .6 .1 76/ 75 47 47 . 8 .8 1.0 48 48 74/ 73 53 . 8 53 72/ 71 .6 • 4 1.0 1.3 65 65 70/ 69 1.6 1.7 65 65 68/ 67 . 8 2.0 1.9 1.7 64 64 •1 66/ 65 1.7 85 85 2.1 2.1 25 64/ 63 60 60 48 1.8 62/ 61 2.1 47 60/ 59 1.0 . 8 .9 .3 47 52 73 52 52 . 8 58/ 57 1.3 • 8 . 8 . 2 50 50 108 55 56/ •1 54 54 116 30 53 1.6 54/ 1.1 59 59 36 113 51 52/ 71 29 27 50/ .6 116 49 1.2 11 11 94 47 48/ 76 112 46/ 45 • 1 + 1 86 44/ 43 87 22 42/ 41 73 40/ 39 70 38/ 37 35 64 36/ 51 . 1 2 34/ 33 35 30 30/ 29 27 28/ 26/ 25 24/ 23 22/ 21 20/ 19 Mean No. of Hours with Temperature Element (X)

0.26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS

Ð ♣ JSAFETAC FOR

Rel. Hum.

Dry Bulb Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS 1 1 (F) 18/ 17 TOTAL 1

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9.

#### PSYCHROMETRIC SUMMARY

JUN

68-77 STATION NAME 0900-1100 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 7.8 8.3 10.1 13.1 13.0 12.4 11.8 6.7 3.2 1.8 • 3 900 900 .6 900 900 No. Obs. Mean No. of Hours with Temperature Element (X) 2231410 3807570 42032 46,717,279 Rel. Hum. 900 ≥67 F = 73 F = 80 F = 93 F 900 Dry Bulb 37932 64.4 9.348 37.7 19.4 4.4 52.1 5.632 41.8 7.277 90 Wet Bulb 2468463 46861 900 10.6 1616697 37579 Dew Point 900

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

# **PSYCHROMETRIC SUMMARY**

| STATION     | MA | LMSTI    | KUM / |             | ATION N        |       | FAL      | LS           |              | 68-          | И           |     | <del>- , -</del> | YE       | ARS   |         |         |              |              | , J.C.   | JN<br>HTH |
|-------------|----|----------|-------|-------------|----------------|-------|----------|--------------|--------------|--------------|-------------|-----|------------------|----------|-------|---------|---------|--------------|--------------|----------|-----------|
|             |    |          |       |             |                |       |          |              |              |              |             |     |                  |          |       |         | /       | PAGE         | 1            | 1200-    |           |
|             |    |          |       | <del></del> | <del></del>    | WET   | 0111 0 1 | reubeo       | ATURE        | DEDDE        | SSION (     | E)  |                  |          |       |         |         | TOTAL        |              | TOTAL    | 5. 1.     |
| Temp<br>(F) | 0  | 1 - 2    | 3 - 4 | 5 - 6       | 7 . 8          |       |          |              |              |              |             |     | 23 - 24          | 25 - 26  | 27 28 | 29 . 30 | × 31    | D.B./W.B.    | Orv Bulb     |          | Dew P     |
| 92/ 91      |    | ,,,,     |       |             | 7.0            | 7- ,0 |          | 13 - 14      | 13 - 10      | 17 - 10      |             |     |                  | 13       | • 1   | •2      | •2      | 5            | 5            |          |           |
| 90/ 89      |    |          | - 1   |             |                |       |          |              |              |              |             | • 1 |                  | .3       | .3    | .2      | .3      | 12           | 12           |          |           |
| 88/ 87      |    |          | -     |             |                |       |          |              |              | -            | • 1         | • 1 | •6               | •8       | .6    | •4      | • 3     | 26           | 26           |          |           |
| 86/ 85      |    |          | į     |             |                | İ     |          |              |              |              | .3          | . 7 | 1.0              | 1.1      | .1    | . 2     | • 2     | 33           | 33           |          | ,         |
| 84/ 83      |    |          |       |             |                |       |          |              |              | .2           | .6          | 1.1 | . 8              | •1       | ,3    | • 2     | • 2     | 32           | 32           |          |           |
| 82/ 81      |    |          |       |             |                |       |          |              | .1           | .6           |             | ,9  | . 9              | 1.2      | .3    | . 1     |         | 47           | 47           |          |           |
| 80/ 79      |    |          |       |             |                |       |          | .2           | .4           |              |             | 1.4 | 1.4              | ,7       | •1    | .1      |         | 54           | 54           |          |           |
| 78/ 77      |    |          |       |             |                |       |          | .4           | .2           | .4           | 1.2         | 1.7 | . 8              | .7       | . 2   |         |         | 51           | 51           |          |           |
| 76/ 75      |    |          |       |             |                |       | • 2      | • 3          | ,6           | .9           | 1.2         | 1.0 | . 8              | .4       |       |         |         | 49           | 49           |          |           |
| 74/ 73      |    | _        |       |             |                | • 1   |          | .2           | .7           | 1.1          | 1.1         | 1.4 | .4               | • 1      |       |         |         | 47           | 47           |          |           |
| 72/ 71      |    |          |       |             |                | •1    | .7       |              | 1.2          | 1.3          | 1.1         | •7  | .2               |          |       |         |         | 55           | 55           |          |           |
| 70/ 69      |    |          |       |             | . 1            | • 3   | .3       | 1.4          |              | 2.1          | 1.1         | - 1 | •2               | •1       |       |         |         | 60           | 60           | 1        |           |
| 58/ 67      |    |          |       |             | • 1            | •7    | 1.8      | •6           | . 8          | 1.2          | 1.1         | • 4 |                  |          |       |         |         | 60           | 60           | 1        |           |
| 6/ 65       |    |          |       |             | , 3            | • 4   | .9       | 1.4          | 1.6          | 1.2          | .2          | .3  |                  |          |       |         |         | 58           | 58           | 19       |           |
| 54/ 63      |    |          |       | . 1         | • 6            | • 6   | 1.6      | 1.8          | . 8          | 1.6          | .3          |     |                  |          |       |         |         | 65           | 65           | 40       |           |
| 52/ 61      |    |          |       | .4          | 1.4            | 1.0   | 1.0      | .8           | 1.3          |              |             |     |                  |          |       |         |         | 54           | 54           | 52       |           |
| 50/ 59      |    | İ        |       | .7          | 1.4            | • 9   |          | .4           | .2           |              |             |     |                  |          |       |         |         | 43           | 43           | 67       |           |
| 58/ 57      |    | il       | . 4   | .3          | , 3            | • 9   | 1.0      | ,4           | .1           |              |             |     |                  |          |       |         |         | 32           | 32           | 83       | L         |
| 56/ 55      |    | • 1      | • 8   | 1.3         | ,8             | • 2   | .4       | .2           | 1            |              |             |     |                  |          | - 1   |         | :       | 35           | 35           | 124      |           |
| 54/ 53      |    | .3       | 8     | 1.0         | . 4            | • 3   |          |              |              | <u> </u>     |             |     |                  |          |       |         |         | 29           | 29           | 108      |           |
| 52/ 51      |    | • 1      | 1.1   | . 1         |                | • 2   |          | 1            |              | l            |             |     |                  |          | - 1   |         |         | 19           | 19           | 125      |           |
| 50/ 49      | 1  | . 2      | 3     |             |                |       |          | <u> </u>     | <u> </u>     |              |             |     |                  |          |       |         |         | 12           | 12           | 104      |           |
| 48/ 47      |    |          | • 9   |             |                |       |          | 1            |              | İ            | ļ           |     |                  |          | 1     |         |         | 9            | 9            | 70       |           |
| 46/ 45      |    | .3       | •2    | , 2         | <u> </u>       |       |          | <u> </u>     |              | <u> </u>     |             |     |                  |          |       |         |         | 7            | 7            | 62       | 1         |
| 44/ 43      |    | .3       |       | ĺ           |                |       | 1        | •            |              |              |             |     |                  | 1 1      |       |         |         | 3            | 3            |          |           |
| 42/ 41      |    | !!       |       |             |                |       |          | <u> </u>     |              | <u> </u>     | ļ           |     |                  |          |       |         | ļ       |              |              | 12       |           |
| 40/ 39      |    | i l      |       |             |                |       |          |              |              |              |             |     |                  | j j      |       |         |         | ا _ ا        | _            | '        |           |
| 38/ 37      |    | • 1      | •1    |             |                |       | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>    |     |                  |          |       |         | <b></b> | 2            |              | ļ        |           |
| 36/ 35      |    | • 1      |       |             |                |       |          |              |              |              |             |     |                  |          |       |         |         | 1 1          | 1            | 2        |           |
| 34/ 33      |    |          |       |             |                |       | <u> </u> | ļ            | <del> </del> | <u> </u>     | ļ           |     |                  |          |       |         |         | <b>  </b>    |              | 1 1      |           |
| 32/ 31      |    |          |       |             | <b>j</b>       |       |          |              |              |              | 1           |     | 1                |          |       |         | 1       |              |              |          |           |
| 30/ 29      |    |          |       |             | <b> </b>       |       | <u> </u> | <del> </del> |              | <del> </del> |             |     | <u> </u>         | ļļ       |       |         | ļ       |              |              | <u> </u> |           |
| 28/ 27      |    |          |       |             |                |       |          |              |              |              |             |     |                  |          |       |         |         |              |              | -        |           |
| 26/ 25      |    | لــبـــل |       |             | <u> </u>       | L     | <u> </u> |              | Ц,           |              | <del></del> | L   | L                | <u> </u> |       |         | L       | <u> </u>     |              | <u> </u> | <u> </u>  |
| lement (X)  |    | Σχ²      |       |             | z <sub>X</sub> | _     | X        | <b>"</b> *   |              | No. 0        | )S.         |     |                  |          |       |         |         | h Temperati  | <del></del>  |          |           |
| Rel. Hum.   |    |          |       | <u> </u>    |                |       |          |              |              |              |             | ≤ 0 | F                | ≤ 32 F   | ≥ 67  | F   *   | 73 F    | > 80 F       | * 93         |          | Total     |
| Dry Bulb    |    |          |       | ļ           |                |       |          | ļ            |              |              |             |     |                  |          |       |         |         | <del> </del> | <del> </del> |          |           |
| Wet Bulb    |    |          |       |             |                |       |          |              |              |              |             |     |                  |          |       |         |         |              |              |          |           |

UM 0.26.5 (OL A) RENSED PREVIOUS EDITIONS OF THIS

()

JSAFETAC

### **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA          | LMST  | ROM      | AFB      | MT/G  | REAT     | FAL     | LS_        |         | 68-      | 77             |         |         | YE      | ARS     |          | <del></del> |            |             | ال ا                                             | JN<br>ith |
|------------------|-------------|-------|----------|----------|-------|----------|---------|------------|---------|----------|----------------|---------|---------|---------|---------|----------|-------------|------------|-------------|--------------------------------------------------|-----------|
| •                |             |       |          |          |       |          |         |            |         |          |                |         |         |         |         |          |             | PAGE       | 2           | 1200-                                            |           |
| Tem >            |             |       |          |          |       | WET      | BULB 7  | EMPER      | ATURE   | DEPRE    | SSION (        | F)      |         |         |         |          |             | TOTAL      |             | TOTAL                                            |           |
| (F)              | 0           | 1 - 2 | 3 - 4    | 5 - 6    | 7 - 8 | 9 - 10   | 11 - 12 | 13 - 14    | 15 - 16 | 17 - 18  | 19 - 20        | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30  | ≥ 31        | D.B./W.B.  | Dry Bulb    | Wet Bulb                                         | Dew Poin  |
| 24/ 23 22/ 21    |             |       |          |          |       |          |         |            |         |          |                |         |         |         |         |          |             |            |             |                                                  | 10        |
| 20/ 19<br>18/ 17 |             | ì     |          |          |       |          |         |            |         |          |                |         |         |         |         |          |             |            |             |                                                  | 1 2       |
| TOTAL            | •1          | 1.7   | 4.7      | 4.8      | 6,3   | 5•8      | 9.3     | 9.1        | 8.8     | 11.4     | 10.3           | 10.0    | 7.1     | 5.6     | 2.1     | 1.6      | 1.3         | 900        | 900         | 900                                              | 900       |
|                  |             |       |          |          |       |          |         |            |         |          |                |         |         |         |         |          | <u> </u>    |            | <del></del> |                                                  |           |
|                  |             |       |          |          |       |          |         |            |         |          |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       | <u> </u> | <u> </u> |       |          |         |            |         | ļ        |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       |          |          |       |          |         |            |         | <u> </u> |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       | <br>     |          |       |          |         |            |         |          |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       |          |          |       |          |         |            |         | -        |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       | -        | <u> </u> |       |          |         |            |         | -        |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       | <u> </u> |          |       |          |         |            |         |          | <u> </u>       |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       |          | <br>     |       | <u> </u> |         |            |         | <u> </u> |                |         |         |         |         |          |             |            |             | <del>                                     </del> |           |
|                  |             |       | <u> </u> |          |       |          |         |            |         |          | <del> </del> - |         |         |         |         | -        |             |            | -           |                                                  |           |
|                  |             |       |          |          |       |          |         |            |         |          |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  |             |       |          |          |       |          |         |            |         | +        |                |         |         |         |         |          |             |            |             |                                                  |           |
|                  | <del></del> |       |          |          |       |          |         |            |         |          |                |         |         |         |         |          |             |            |             |                                                  |           |
| Element (X)      |             | Z X2  |          |          | ZX    |          | X       | <b>"</b> x |         | No. O    |                |         |         |         | Mean I  | lo. of H | ours wit    | h Temperat | ure         |                                                  |           |
| Rel. Hum.        |             | 163   | 9569     | <b>X</b> | 350   | 01       | 38.9    | 17.5       | 97      | 9        | 00             | ⊴ 0     | F       | ≤ 32 F  | z 67    |          | 73 F        | ≥ 80 F     | ≥ 93        | F                                                | Total     |
| Dry Bulb         |             |       | 2391     |          | 624   | 17       | 69.4    | 10.7       | 37      |          | 00             |         |         |         | 53      |          | 35.6        | 17.        | 4           |                                                  | 90        |
| Wet Bulb         |             |       | 3091     |          | 481   | 33       | 53.5    | 5.6        | 68      |          | 00             |         |         |         |         | •2       |             | <b> </b>   | <u> </u>    |                                                  | 90        |
| Dew Point        |             | 154   | 4428     | 3        | 366   | 30       | 40.7    | 7.7        | 21      | 9        | 00             |         | ı       | 13,7    | 1       | - 1      |             | 1          | 1           | ı                                                | 90        |

FOEM 0.26-5 (OLA)

1

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature
≥67 F ≥ 73 F ≥ 80 F ≥ 93 F

40

Total

68-77 MALHSTROM AFB MT/GREAT FALLS 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 (F) 94/ 93 .1 92/ 91 •3 •1 20 90/ 89 • 8 .8 20 88/ 87 1.0 .3 1.1 31 31 •1 • 2 86/ 85 . 8 25 25 • 3 84/ 83 42 42 • 3 .9 82/ 81 61 1.3 1.7 •6 .1 48 80/ 79 48 78/ 77 76/ 75 .6 1.0 54 54 1.2 •6 1.0 54 54 1.3 1.2 .3 2.2 51 51 74/ 73 1.0 • 1 .9 1.0 47 47 72/ 71 1.4 •7 .4 . 9 70/ 69 2.0 . 5 68 68 1.1 1.7 68/ 67 42 42 • 1 54 54 19 66/ 65 . 6 1.2 1.7 •7 • 3 62 38 64/ 63 . 8 49 49 62/ 61 64 35 35 53 60/ 59 33 33 58/ 57 • 2 . 1 80 56/ 55 36 16 133 1.1 54/ 53 27 27 121 21 116 30 20 20 52/ 51 13 13 50/ 49 .6 106 • 7 48/ 47 10 10 72 74 . 1 61 46/ 45 1 64 . 1 62 42/ 6 41 75 40/ 39 85 2 38/ 37 77 36/ 35 55 34/ 33 32/ 31

10F

≤ 32 F

FORM 0.26-5 (OL A) REVISED MEYIOUS EGIDOMS OF THIS

30/ 29 28/ 27 Element (X)

Rel. Hum.

Wet Bulb

1.

€.

1

SAFETAC 1

## PSYCHROMETRIC SUMMARY

| 4112<br>STATION | MA          | LMST         | ROM   | AFB<br>51      | MT/G     | REAT                                             | FAL          | LS           |                | 68-          | 17                                               |          |          |                                                  | ARS            |           |                                                  |               |              | J L   | JN<br>NTH |
|-----------------|-------------|--------------|-------|----------------|----------|--------------------------------------------------|--------------|--------------|----------------|--------------|--------------------------------------------------|----------|----------|--------------------------------------------------|----------------|-----------|--------------------------------------------------|---------------|--------------|-------|-----------|
|                 |             |              |       |                |          |                                                  |              |              |                |              |                                                  |          |          |                                                  |                |           |                                                  | PAG           | <b>.</b> 2   | 1500. | -170      |
| Temp            |             |              |       |                |          | WET                                              | BULB         | TEMPER       | ATURE          | DEPRE        | SSION (                                          | F)       |          |                                                  |                |           |                                                  | TOTAL         |              | TOTAL |           |
| (F)             | 0           | 1 - 2        | 3 - 4 | 5 - 6          | 7 - 8    |                                                  |              |              |                |              |                                                  |          | 23 - 24  | 25 - 26                                          | 27 - 28        | 29 - 30   | ≥ 31                                             | D.B./W.B.     | Dry Bulb     |       | Dew Po    |
| 26/ 25          |             |              |       |                |          |                                                  | i            |              |                |              |                                                  |          |          |                                                  |                |           | i                                                | i             |              |       | 2         |
| 24/ 23          | _           |              |       |                | Ĺ        | l                                                |              |              |                |              | ļ                                                |          |          |                                                  |                |           |                                                  |               |              |       | L         |
| 22/ 21          |             |              |       |                |          |                                                  |              |              |                |              |                                                  | ì        |          |                                                  | i              |           |                                                  |               |              |       |           |
| 20/ 19          |             |              |       |                |          |                                                  |              |              |                |              |                                                  |          |          |                                                  |                |           |                                                  |               |              |       |           |
| 13/ 17          |             | _            |       |                | ١, ,     |                                                  |              | _ ,          | , ,            |              |                                                  |          |          | ۱.,                                              |                |           |                                                  |               | 000          |       |           |
| OTAL            |             | • /          | 2.0   | 2.8            | 9.1      | 201                                              | 6.3          | 7.1          | 7.3            | 9.0          | 12.8                                             | 9.0      | 7.1      | 7.4                                              | 3.8            | 1.9       | 2.4                                              | 900           | 900          | 900   | 90        |
|                 |             |              |       |                |          |                                                  |              |              |                |              |                                                  |          |          |                                                  |                |           |                                                  | 900           |              | 700   | ĺ         |
|                 |             | <del> </del> |       |                |          |                                                  | <del> </del> |              |                | <del> </del> |                                                  |          |          |                                                  | l              |           |                                                  |               |              |       | <u> </u>  |
|                 |             | 1            |       |                |          |                                                  |              |              |                |              |                                                  |          |          |                                                  |                |           |                                                  | ļ             |              |       |           |
|                 |             |              |       |                |          |                                                  |              |              |                | <del> </del> |                                                  |          |          | <del> </del>                                     |                |           | <del>                                     </del> | <del></del>   |              | -     |           |
|                 |             |              |       |                |          |                                                  |              |              |                |              |                                                  |          |          | l                                                |                |           |                                                  |               |              |       |           |
|                 |             |              |       |                |          | l                                                |              |              |                | ·            |                                                  |          |          |                                                  |                |           |                                                  | <del></del> - |              |       |           |
|                 |             | l            |       |                |          | l<br>                                            |              |              |                |              |                                                  |          |          |                                                  | <u> </u>       |           |                                                  |               |              |       | L         |
|                 |             |              |       |                |          |                                                  | i            |              |                |              | i                                                |          |          |                                                  |                |           |                                                  |               |              |       |           |
|                 |             |              |       |                |          |                                                  | <u> </u>     |              |                |              |                                                  |          |          | <u> </u>                                         |                |           |                                                  |               |              |       |           |
| ì               |             |              |       |                |          |                                                  |              |              |                | ļ            |                                                  |          |          |                                                  |                |           | }                                                |               |              |       | 1         |
|                 |             | <b></b>      |       | ļ              |          |                                                  | <u> </u>     |              |                | <u> </u>     |                                                  |          |          |                                                  |                |           |                                                  |               |              |       | <br>      |
| 1               |             |              |       |                |          |                                                  |              |              |                |              |                                                  |          |          |                                                  |                |           |                                                  |               |              |       | ł         |
|                 |             | ļ            |       |                | <u> </u> | <u> </u>                                         |              | ļ            |                | ļ            |                                                  |          |          |                                                  |                |           |                                                  |               |              |       | <b> </b>  |
| ļ               |             | '            |       | ļ              | l        |                                                  | }            |              |                | }            | <b>!</b>                                         |          |          | 1                                                |                | 1         | ļ                                                | ł             |              |       | 1         |
|                 | <del></del> | ·            |       |                |          |                                                  | ├            | <u> </u>     | <del> </del> - | <del> </del> | <u> </u>                                         |          |          |                                                  | <del> </del> - | <u> </u>  |                                                  | ļ             |              |       | <u> </u>  |
| 1               |             |              |       |                |          |                                                  |              | '            | İ              | 1            |                                                  |          |          |                                                  | į į            |           |                                                  |               |              |       | l         |
| <del></del>     |             | <del> </del> |       |                |          |                                                  | ┼──          | <del> </del> |                | <del> </del> | <del></del>                                      |          |          | -                                                |                |           | ├                                                |               |              |       |           |
|                 |             | 1            |       | İ              |          | İ                                                |              | ]            |                | l            | ļ                                                |          |          | Ì                                                | ł              | ļ         |                                                  | !             |              |       |           |
|                 |             | <del> </del> |       |                |          | <del> </del>                                     | <del> </del> | -            | ├──            |              | <del> </del>                                     |          | ¦        | <del>                                     </del> |                | <u> </u>  |                                                  |               |              | ———   |           |
| ļ               |             |              |       |                |          |                                                  |              | ٠ .          |                |              |                                                  |          |          |                                                  |                |           | 1                                                |               |              |       | l         |
|                 | ~           |              |       |                |          | <del>                                     </del> |              | 1            |                |              | <del>                                     </del> |          |          |                                                  |                |           |                                                  |               |              |       |           |
| }               |             | 1            |       |                |          |                                                  |              |              |                |              | 1                                                |          |          |                                                  | 1              |           |                                                  |               | l            |       |           |
|                 |             |              |       |                |          | Γ-                                               |              |              | T -            |              |                                                  |          |          |                                                  | <u> </u>       | · · · · · |                                                  |               |              |       |           |
|                 |             | <u></u>      | L     | <u></u>        | L        | <u> </u>                                         | <u></u>      | L            | <u> </u>       |              | <u></u>                                          | <u> </u> | L        | L                                                |                |           |                                                  | <u></u>       |              |       |           |
|                 |             | 1            | 1     |                |          | }                                                | 1            |              |                |              |                                                  |          |          | <del>                                     </del> | 1              |           | [                                                |               |              |       |           |
|                 |             | <u>L.</u>    |       |                |          |                                                  | <u> </u>     |              |                | <u> </u>     |                                                  |          | L.,      | <u> </u>                                         |                | <u> </u>  | <u> </u>                                         |               |              |       |           |
| Elemen* (X)     |             | Σχ¹          |       |                | ZX       |                                                  | X            | *x           |                | No. O        |                                                  |          |          |                                                  |                |           |                                                  | Tempero       | <del></del>  |       |           |
| Rel. Num.       |             | 153          | 6050  | ļ              |          | 26                                               | 37.3         | 17.8         | 73             | 9            | 00                                               | ≤ 0      | F :      | ± 32 F                                           | ≥ 67           |           | 73 F                                             | ≥ 80 F        | 2 93 1       |       | Total     |
| Dry Bulb        |             |              | 3656  |                | 634      |                                                  |              | 10.9         |                |              | 00                                               |          |          |                                                  | .55            |           | +0+0                                             | '22.          | <del>*</del> | .2    | 9         |
| (at Brite       |             | 202          | 2057  | <del> </del> - | 483      |                                                  |              | 5.5          |                |              | 00                                               |          | <u> </u> | TE =                                             |                | •5        |                                                  | <del></del>   |              |       | 9         |
| Dew Frint       |             | <u> 12!</u>  | וכפר  | <u> </u>       | 362      | , 27                                             | 40.3         | 7.9          | 10             | 9            | 00                                               |          |          | 16,0                                             | I              |           |                                                  |               |              |       | 9         |

The Fig. (1) I will be recoust tenion

### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS

STATION NAME 1800-2000 HOURS (L. S. T.) PAGE 1

|             |   |                                              |       |       |       |        |            |            |            |          |                                        |          |     |          |         |              |              |           |          | HOURS (      | L. 5. T.) |
|-------------|---|----------------------------------------------|-------|-------|-------|--------|------------|------------|------------|----------|----------------------------------------|----------|-----|----------|---------|--------------|--------------|-----------|----------|--------------|-----------|
| Temp        |   | · · · · · · · · · · · · · · · · · · ·        |       |       |       |        | BULB T     |            |            |          |                                        |          |     |          |         |              |              | TOTAL     |          | TOTAL        | ,         |
| (F)         | 0 | 1 - 2                                        | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12    | 13 - 14    | 15 - 16    | 17 - 18  | 19 - 20                                | 21 - 22  |     | 25 - 26  | 27 - 28 | 29 - 30      | ≥ 31         | D.B./W.B. | Dry Bulb | Wet Bulb     | Daw Point |
| 90/ 89      |   | , ,                                          |       | - 1   | i     |        |            | 1          |            |          | .1                                     | i l      | .2  | •1       |         | • 1          | • 1          | 6         | 6        | [            |           |
| 88/ 87      |   |                                              |       |       |       |        |            |            |            |          |                                        |          | • 1 | •2       |         |              | • 3          | 6         | 6        |              |           |
| 86/ 85      |   | 1 1                                          | -     | !     |       |        |            | - 1        |            |          | .1                                     | •2       | .2  | • 1      | •1      | • 1          | • 2          | 10        |          |              |           |
| 84/ 83      |   |                                              |       | 1     |       |        |            |            | <u>, 1</u> |          | .3                                     | . 2      | ,4  | •1       |         | _ <u>, 6</u> |              | 16        | 16       |              |           |
| 82/81       |   |                                              |       |       |       |        |            |            | .1         | . 1      | 1.0                                    |          | • 2 | •7       | .3      |              |              | 27        | 27       |              | 1         |
| 80/ 79      |   | <u> </u>                                     | !     |       |       |        | . 2        | . 2        | . 1        | , 8      | .7                                     | -9       | .9  | •3       | .3      |              |              | 40        | 40       |              |           |
| 78/ 77      |   |                                              | ,     | i     | į     |        | . 2        | . 2        | . 9        |          | 1.0                                    | • 2      | , 9 | • 1      | • 1     |              | i            | 41        | 41       |              | 1         |
| 76/ 75      |   |                                              |       |       |       |        | . 2        | . 4        | . 9        | 1.1      | .8                                     | 1.1      | •7  | • 2      |         |              |              | 49        | 49       |              |           |
| 74/ 73      |   |                                              |       |       |       | • 1    | . 2        | • 3        | .9         | .4       | 1.1                                    | •7       | • 2 |          |         |              |              | 36        | 36       |              | 1         |
| 72/ 71      |   |                                              |       |       | • 1   | • 3    | .1         | .7         | 1.7        | 1.3      | 1.4                                    | .3       | •2  |          |         |              |              | 56        | 56       | 1            |           |
| 70/ 69      |   | 1 1                                          |       | 1     | • 6   | • 2    | 1.0        | 1.6        | 1.3        | 1.0      | .6                                     | •1       |     |          |         |              | ,            | 57        | 57       |              |           |
| 68/ 67      |   |                                              |       | . 4   | • 7   | • 2    | 1.3        | . 2        | 1.2        | 1.2      | .6                                     | .4       |     |          |         |              |              | 57        |          |              |           |
| 66/ 65      |   |                                              | • 1   | . 2   | , 8   | • 9    | 1.2        | •9         | 1.2        | 1.1      | .4                                     | • 1      |     |          |         |              |              | 63        | 63       |              | 1         |
| 64/ 63      |   | ļi                                           | • 2   | 9     | 1.2   | 2.0    | .7         | 1.4        | 1.9        |          | .4                                     | •1       |     |          |         |              |              | 90        |          |              |           |
| 62/61       |   |                                              | . 3   | 1.6   | , 7   | • 3    | 1.0        | 1.1        | 1.3        | .7       | Ì                                      |          |     | i I      |         |              | l            | 63        |          |              |           |
| 60/ 59      |   | <u> </u>                                     | • 3   | 1.3   | 1.1   | 1.1    | 1.2        | 1.1        | .3         |          | .1                                     |          |     |          |         |              |              | 60        |          |              |           |
| 58/ 57      |   | .2                                           | • 3   | 1.6   | • 6   | 1.0    | .4         | • 9        | .2         | 1        |                                        |          |     |          |         |              |              | 47        | 47       |              |           |
| 56/ 55      |   | . 3                                          | 1.6   | 1.0   | , 8   |        |            | . 4        |            | !        |                                        |          |     |          |         |              |              | 52        |          |              |           |
| 54/ 53      |   |                                              | 1.9   | 1.6   | , 6   | . 8    | . 3        | • 2        |            | 1        | l                                      |          |     |          | ŀ       |              |              | 48        |          |              | 1 .       |
| 52/ 51      |   | .6                                           |       | . 8   | 2     | •1     | . 1        |            |            |          |                                        |          |     |          |         |              |              | 34        |          | 1            |           |
| 50/ 49      |   | . 8                                          | 1.7   | • 2   |       | • 1    | 1          |            |            |          | 1                                      |          |     |          |         |              | 1            | 25        | ,        |              |           |
| 48/ 47      |   | .3                                           | • 3   | • 2   |       |        |            |            |            | <u> </u> |                                        | <u> </u> |     |          | !       |              |              | 8         | 8        |              |           |
| 46/ 45      |   | .3                                           | • 1   | • l   | • 1   | 1      |            |            |            | į        | 1                                      |          |     |          | 1       |              | 1            | 6         |          | 1            | 1 .       |
| 44/ 43      |   | <u>                                     </u> | • 1   |       | . 1   | )      |            |            |            | <u> </u> |                                        |          |     |          |         |              |              | 2         |          |              |           |
| 42/ 41      |   | i i                                          |       | • 1   |       |        |            |            |            |          |                                        |          |     |          |         |              | 1            | 1         | 1        | ,            |           |
| 40/ 39      |   |                                              |       |       |       |        |            |            |            |          |                                        | L        |     |          |         |              |              | ļ         | <u> </u> | 3            |           |
| 38/ 37      |   |                                              |       |       |       | j      |            | , ·        | ĺ          |          |                                        | 1        |     |          |         |              |              |           | 1        | 1            | 69        |
| 36/ 35      |   | ļ                                            |       |       |       |        |            |            |            |          | <u> </u>                               | <u> </u> |     |          |         |              | <u> </u>     | <u> </u>  |          | 2            | 66        |
| 34/ 33      |   |                                              |       |       |       |        |            |            |            |          |                                        |          |     |          |         |              | }            | 1         | }        |              | 44        |
| 32/ 31      |   | <u> </u>                                     |       |       |       |        |            |            |            |          | 1                                      | <u> </u> |     | L        |         |              | ļ            |           | <u> </u> | <del> </del> | 43        |
| 30/ 29      |   |                                              |       |       |       |        |            |            |            |          |                                        |          |     |          |         |              |              |           |          | 1            | 37        |
| 28/ 27      |   | <u> </u>                                     |       |       |       |        |            |            |            | ļ        | <u> </u>                               | ļ        |     |          | ļ       |              | <del> </del> | <u> </u>  | <u> </u> | <del> </del> | 24        |
| 26/ 25      |   |                                              |       |       |       |        |            |            | l          |          |                                        |          |     |          |         |              |              | İ         |          | ļ            | 23        |
| 24/ 23      |   | ــــــــــــــــــــــــــــــــــــــ       |       |       |       | L.,    | <u> </u>   |            |            |          | ــــــــــــــــــــــــــــــــــــــ | L        |     | <u> </u> | لـــا   |              | L            | <u> </u>  | !        | 1            | 9         |
| Element (X) |   | ΣX2                                          |       |       | Σχ    |        | <u>x</u> _ | <b>"</b> , | _          | No. 01   | bs.                                    |          |     |          |         |              |              | h Tempera |          |              |           |
| Rel. Hum.   |   |                                              |       |       |       |        |            |            | _          |          |                                        | ± 0      | F   | ≤ 32 F   | ≥ 67    | F            | 73 F         | ≥ 80 F    | ≥ 93     | F            | Total     |
| Dry Bulb    |   |                                              |       |       |       | _      |            |            |            |          |                                        |          |     |          | ļ       | - -          |              |           |          |              |           |
| Wet Bulb    |   |                                              |       |       |       | _      |            |            | _          |          |                                        |          |     |          |         |              |              | <b> </b>  |          |              |           |
| Daw Point   |   |                                              |       |       |       |        |            | l          |            |          | i                                      |          |     |          |         | l_           |              | L         | !        | l            |           |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSCILETE

USAFETAC FORM 0.26-5 (OLA)

# **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA | LMST  | ROM   | AFB          | MT/G    | REAT                                              | FAL      | LS             |                                                   | <u>ó8−</u> | 77       |            |          |                                                  |         |             |           |            |          | JL    | אל          |
|------------------|----|-------|-------|--------------|---------|---------------------------------------------------|----------|----------------|---------------------------------------------------|------------|----------|------------|----------|--------------------------------------------------|---------|-------------|-----------|------------|----------|-------|-------------|
| STATION          |    |       |       | \$1          | ATION N | AME                                               |          |                |                                                   |            |          |            |          | YE                                               | ARS     |             |           | PAGE       | 2        | 1800- | -2000       |
| Temp.            |    |       |       |              |         | WET                                               | BULB 1   | TEMPER         | ATURE                                             | DEPRE      | SSION (  | F)         |          |                                                  |         |             | *         | TOTAL      |          | TOTAL |             |
| (F)              | 0  | 1 - 2 | 3 - 4 | 5 - 6        | 7 - 8   |                                                   |          |                |                                                   |            |          |            | 23 - 24  | 25 - 26                                          | 27 - 28 | 29 - 30     | ≥ 31      | D.B./W.B.  | Dry Bulb |       | Dew Point   |
| 22/ 21 20/ 19    |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           |            |          |       | 2 2         |
| 18/ 17<br>TOTAL  |    | 2.6   | 9.0   | 10.6         | 7.4     | 8.0                                               | 9.2      | 9.8            | 12.2                                              | 9.8        | 8.7      | 5.0        | 4.1      | 1.9                                              | .9      | .8          | •7        |            | 900      |       | 90 <b>0</b> |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           | 900        |          | 900   |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            | •        |                                                  |         |             |           |            |          |       |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           |            |          |       |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            | <u> </u> |            |          | <u> </u>                                         |         |             |           |            |          |       |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           |            |          |       |             |
|                  |    |       |       |              | -       |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           |            |          |       |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            | _        |            |          |                                                  |         |             | <u> </u>  |            |          |       |             |
|                  |    |       | _     |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           |            |          |       |             |
|                  |    |       | ļ ——  |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         | <del></del> |           |            |          |       |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            | <u> </u> |                                                  |         |             |           |            |          |       |             |
|                  |    | <br>  |       |              | <br>    | <u> </u>                                          |          |                |                                                   |            |          |            |          |                                                  |         |             | <u> </u>  |            |          |       |             |
|                  |    |       |       |              |         | <b></b>                                           |          |                |                                                   |            |          |            |          | -                                                |         |             |           |            |          |       |             |
|                  |    |       |       |              |         |                                                   |          |                | -                                                 |            |          |            |          | <del>                                     </del> |         |             | -         |            | <u>.</u> |       |             |
|                  |    |       |       |              |         |                                                   |          |                |                                                   |            |          |            |          |                                                  |         |             |           |            |          |       |             |
| Element (X)      |    | Σχ²   |       | <del> </del> | ZX      | <del>'                                     </del> | <u> </u> | ₽ <sub>X</sub> | <del>'                                     </del> | No. Ob     | s. I     | l          | L        |                                                  | Mean N  | lo. of H    | ours with | h Temperat | ure      | I     | L,          |
| Rel. Hum.        |    |       | 9196  | 1            |         | 28                                                | 45.6     | 19.4           | 15                                                |            | 00       | <b>±</b> 0 | F :      | ≤ 32 F                                           | ≥ 67    |             | 73 F      | ≥ 80 F     | = 93     | F T   | Total       |
| Dry Bulb         |    | 397   | 7937  | 1            | 591     | 95                                                | 65.8     | 9.6            | 98                                                | 9          | 00       |            |          |                                                  | 40      |             | 23.1      |            |          |       | 90          |
| Wet Bulb         | -  | 252   | 4627  | 1            | 473     | 99                                                | 52.7     | 5,6            | 14                                                | 9          | 00       |            |          |                                                  |         | .5          |           |            |          |       | 90          |
| Dew Point        |    | 163   | 0553  |              | 375     | 65                                                | 41.7     | 8,3            | 47                                                | 9          | 00       |            |          | 14.2                                             |         |             |           |            |          |       | 90          |

0.26.5 (OL A) REVISED MEYICUS EDITIONS OF THIS FORM ARE OBS

## **PSYCHROMETRIC SUMMARY**

| 112<br>STATION | MA | ALMST    | ROM . |       | MT/G     |        | FAL     | LS      |         | <u>68-</u> | 77      |         |         |          | ARS      |          |          |            |          |          | UN            |
|----------------|----|----------|-------|-------|----------|--------|---------|---------|---------|------------|---------|---------|---------|----------|----------|----------|----------|------------|----------|----------|---------------|
| 51X11UN        |    |          |       | ,     | A110N NA | ME     |         |         |         |            |         |         |         | **       | LANS     |          |          | PAGE       | 1        | 2100-    | -230          |
| Temp           |    |          |       |       |          |        |         | EMPER.  |         |            |         |         | *****   |          |          |          |          | TOTAL      |          | TOTAL    |               |
| (F)            | 0  | 1 - 2    | 3 - 4 | 5 - 6 | 7 - 8    | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18    | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26  | 27 - 28  | 29 - 30  | ≥ 31     | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew Po        |
| 4/ 83          |    |          |       |       |          |        |         | -       |         |            |         |         | •1      |          |          |          |          | 1          | 1        |          | ī             |
| 2/ 81          |    |          |       |       |          |        |         | ŀ       | ļ       |            |         | • 1     |         | ļ        |          |          | Į        | 1          | 1        |          | ĺ             |
| 0/ 79          |    |          |       |       |          |        |         |         |         | .1         | .1      | • 1     |         |          |          |          |          | 3          | -        |          |               |
| 8/ 77          |    | ļ        |       |       |          | ļ      |         |         | . 1     | . 1        | . 1     | •1      |         | ļ        | į        |          | Į        | 4          | 4        | į        | ł             |
| 5/ 75          |    | 1        |       |       |          |        |         |         | .3      | .1         | • 1     | • 2     | ,1      |          |          |          |          | 8          | 8        |          |               |
| 4/ 73          |    |          |       |       | [        | ļ      | - 1     | . 2     | . 2     | . 2        | . 2     |         |         | 1        |          | ļ        | 1        | 8          | 8        |          | i             |
| 2/ 71          |    | İ        |       |       |          | • 4    | . 8     | • 3     | . 4     | . 3        | .6      | • 1     |         |          |          | i        |          | 27         | 27       |          | $\overline{}$ |
| 0/ 69          |    | <u> </u> |       |       | . 1      | • 4    | .6      | 1.2     | .4      | . 3        | . 2     | • 1     |         | 1        |          |          |          | 31         | 31       |          | ĺ             |
| 3/ 67          |    |          |       |       | • 2      | • 8    | •6      | 1.3     | .9      | • 9        | .1      |         |         | <u> </u> |          |          | 1        | 43         | 43       |          |               |
| / 65           |    | 1        | • 1   | . 1   | 1.0      | • 7    | 1.8     | 1.4     | .6      | . 3        |         | ļ       |         | ļ        | ļ        | i        | 1        | 54         | 54       |          |               |
| / 63           |    |          | . 8   | .4    | , 3      | 1.9    | 1.4     | 1.3     | . 8     | .3         |         |         |         |          | i        |          |          | 66         | 66       |          |               |
| 2/ 61          |    |          | • 2   | . 6   | 1.9      | 1.9    |         | 1.0     | . 1     |            |         | - 1     |         | ļ        |          |          |          | 68         | 68       | 12       | i             |
| )/ 59          |    | .1       | .7    | 1.3   | 1.9      | 1.2    |         | . 8     | .1      | 1          |         |         |         | 1        |          |          | 1        | 66         | 66       | 37       | i             |
| / 57           |    | .7       | 1.6   | 1.1   | 2.3      | 1.3    | 1.6     | . 8     | . 1     | ļ          |         | - 1     |         | 1        | ļ        |          | 1        | 85         | 85       | 32       | 1             |
| / 55           |    | .4       | 3.1   | 1.7   | 1.8      | 2.7    | .6      | .4      | .1      |            |         |         |         |          | İ        |          | 1        | 97         | 97       | 70       | <u> </u>      |
| / 53           |    | 9        | 2.0   | 1.8   | .7       | 2.5    | 1.4     | , 1     | , ,     |            |         | Į       |         | 1        | ļ        |          | İ        | 85         | 85       | 101      |               |
| / 51           |    | .9       | 2.0   |       | 1,7      |        | 1.0     | . 1     |         |            |         |         |         | i        |          | _        | 1        | 78         | 78       | 126      | i –           |
| / 49           |    | 1.6      |       |       | 1.2      | • 3    | . 2     |         | ļ       |            |         | - 1     |         | ļ        | 1        | ]        | İ        | 75         | 75       | 121      |               |
| / 47           |    | 1.1      |       |       |          | , 1    |         |         |         |            |         |         |         | 1        |          |          | 1        | 35         | 35       | 102      |               |
| / 45           |    | . 8      | . 9   | .6    | . 9      |        |         |         |         |            |         | - 1     |         | ļ        | j        |          |          | 28         | . 23     | 117      | 1             |
| / 43           |    | 1.3      |       |       | • 1      | • 2    |         |         |         |            |         |         |         | T        | i – –    |          | i –      | 26         | 26       | 79       | 1             |
| / 41           |    | .2       |       |       | '-       |        |         |         | 1       |            |         | - 1     |         | ļ        | ļ        |          |          | 4          | 4        | 52       | -             |
| / 39           |    | .1       | • 1   | . 1   |          |        |         |         |         |            |         |         |         | Γ        |          |          |          | 3          | 3        | 28       |               |
| 1/ 37          |    | '-       |       |       |          |        | ļ       |         | Į       |            |         | ļ       |         | 1        | 1        | ļ        |          | [          |          | 14       | ļ             |
| / 35           |    | •1       | •1    |       |          |        |         |         |         |            |         | 1       |         | 1        |          |          |          | 2          | 2        | 2        |               |
| / 33           |    | 1.1      | l i   |       |          |        |         |         |         |            |         |         |         | ļ        | 1        |          | 1        | 2          | 2        | 4        |               |
| 2/ 31          |    |          |       |       |          |        |         |         |         |            |         |         |         | Π        |          | ſ        | 1        |            |          | 3        |               |
| 29             |    | 1        |       |       |          |        |         |         |         |            |         |         |         | 1_       |          | L        | 1        |            |          |          |               |
| 3/ 27          |    |          | i i   |       |          |        |         |         |         |            |         |         |         | T        |          |          | T        |            |          |          | i             |
| / 25           |    |          |       |       |          |        |         |         |         |            |         |         |         |          |          |          | ĺ        |            |          | 1        |               |
| 1/ 23          |    |          |       |       |          |        |         |         |         |            |         | i       |         |          |          |          |          |            |          | i        |               |
| 2/ 21          |    |          |       |       |          |        |         |         |         |            |         |         |         | <u> </u> |          |          |          | ] ]        |          |          | L             |
| 19             |    |          |       |       |          |        |         |         |         |            |         |         |         | <u> </u> | <u> </u> | J        |          |            |          | l        | [             |
| 3/ 17          |    |          |       |       |          |        |         |         |         |            |         |         |         |          |          | L        |          | <u> </u>   |          | L        | L             |
| ment (X)       |    | Σχ²      |       |       | Σχ       | T      | X       | €x      |         | No. Ob     | s.      |         |         |          | Mean     | No. of I | lours wi | h Temperat | ure      |          |               |
| . Hum.         |    |          |       |       |          |        |         |         |         |            |         | ± 0 F   |         | ≤ 32 F   | ≥ 67     | F        | ≥ 73 F   | ≥ 80 F     | = 93     | F        | Total         |
| Bulb           |    |          |       |       |          |        |         |         |         |            |         |         |         |          | T        |          |          | 1          | T        |          |               |
| Rulb           |    |          |       |       |          |        |         |         |         |            |         |         |         |          | 1        | $\neg$   |          | 1          | Τ        |          |               |

FORM 0.26-5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS

JSAFETAC FORM O

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GPEAT FALLS STATION NAME 2100-2300 1 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 1 . 8 TUTAL 8.317.612.714.415.413.0 9.1 4.2 2.8 1.4 900 900 900 900 1 Element (X) No. Obs. Mean No. of Hours with Temperature 3292437 3033321 900 57.917.597 Rel. Hum. 52083 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F ≤ 32 F 57.5 7.890 49.2 5.515 Ury Bulb 51765 900 12.6 2.5 90 44251 37348 Wet Bulb 2203071 900 41.5 7.322 900 1598050 Dew Point

USAFETAC ARM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

## **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS 68-77 JUN ALL HOURS (L. S. T.) PAGE 1

| Temp        |    |          |       |       |       |             |         | TEMPER     |          |          |          |          |         |          |         |          |          | TOTAL     | Γ —      | TOTAL    |           |
|-------------|----|----------|-------|-------|-------|-------------|---------|------------|----------|----------|----------|----------|---------|----------|---------|----------|----------|-----------|----------|----------|-----------|
| (F)         | 0_ | 1 - 2    | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10      | 11 - 12 | 13 - 14    | 15 - 16  | 17 - 18  | 19 - 20  | 21 - 22  | 23 - 24 | 25 - 26  | 27 - 28 | 29 - 30  | ≥ 31     | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 94/ 93      |    |          |       |       |       |             |         |            |          |          |          |          | •0      | •0       |         |          |          | 2         | 2        |          | 1         |
| 92/ 91      |    |          |       |       |       |             |         |            |          |          |          |          | ·       | .0       | . 1     | •1       | •1       | 17        |          |          |           |
| 90/ 89      |    |          |       | - 1   | 1     |             |         |            |          |          | .0       | •0       | •0      |          | •1      | ,1       | • 2      | 38        | 38       |          |           |
| 88/ 87      |    |          |       |       |       |             |         |            |          |          | .0       |          | •1      | • 3      | • 1     | .1       |          | 63        | 63       |          | ļ         |
| 86/ 85      |    |          |       |       |       |             |         |            | •0       |          | -1       |          | •2      |          |         | •1       | •1       | 71        | 71       |          |           |
| 84/ 83      |    |          |       |       |       |             |         |            | .0       |          | .2       | !        | • 3     | •1       | .2      | .1       | .0       | 99        | 99       |          |           |
| 82/ 81      |    |          |       |       |       |             |         |            | •1       | .2       | .6       | •4       | .4      | •5       | •2      | •1       |          | 164       | 164      |          |           |
| 80/ 79      |    |          |       |       |       |             | •0      | , į        | .2       | .4       |          | .4       | .4      |          | • 1     | .1       |          | 183       | 183      |          | į         |
| 78/ 77      |    |          |       |       |       |             | •0      | • 1        | .3       | .4       | .5       | •5       | .4      |          | • 1     |          |          | 177       | 177      |          |           |
| 76/ 75      |    |          |       |       |       | • 0         | .1      | . 2        | _ ,5     |          |          | .5       | . 4     |          |         |          | ļ        | 216       | 216      |          | ļ         |
| 74/ 73      |    |          |       |       |       | • 1         | •1      |            |          |          |          |          | • 1     |          |         |          |          | 206       | 206      |          |           |
| 72/ 71      |    |          |       |       | .0    | • 2         | . 3     | .6         | .8       |          |          | .3       | • 1     | •0       |         |          | 1        | 262       | 262      |          |           |
| 70/ 69      |    |          |       | • 0   | • 2   | .2          | • 4     |            | .6       |          | .5       |          | •1      | •0       |         |          |          | 311       | 311      | 6        |           |
| 68/ 67      |    | <u> </u> |       | -1    | • 2   | • 5         | 1.1     | .7         | ,7       |          |          | . 1      | •0      |          |         |          | 1        | 325       | 325      | 6        | {         |
| 66/ 65      |    |          | • 0   | • 1   | . 5   | • 7         | 1.3     |            |          |          | •2       | • 1      |         |          |         |          |          | 376       | 376      | 51       |           |
| 64/ 63      |    |          | • 2   | .4    | .7    | 1.4         | 1.2     |            | .9       | .6       | .2       | •0       |         | 1        |         |          |          | 518       | 518      | 125      | 1         |
| 62/ 61      |    | .0       | • 2   | . 6   | 1.1   | 1.2         | 1.5     |            |          | .1       | i        |          |         |          |         |          | i —      | 450       | 450      | 234      | 5         |
| 60/ 59      |    | . 0      | . 4   | . 9   | 1.6   | 1.1         | , 9     |            | ,2       | .0       | .0       |          |         |          |         |          |          | 408       | 408      | 299      | 14        |
| 58/ 57      |    | .2       | . 7   | 1.3   | 1,5   | 1.2         | .7      | .4         | • 1      |          |          |          |         |          |         |          | Ī        | 444       | 444      | 436      | 61        |
| 56/ 55      |    | .3       | 1.6   | 17    | 1.4   | 1.5         | • 6     |            | •0       |          | ļ        |          |         |          |         |          | 1        | 524       | 524      | 658      | 107       |
| 54/ 53      |    | .5       | 2.0   | .6    | 1.3   | 1 - 2       | . 5     |            | .0       |          |          |          |         |          |         |          |          | 524       | 524      | 777      | 167       |
| 52/ 51      |    | . 8      | 2.0   | 1.5   | 1.2   | • 7         | • 2     |            |          |          |          |          |         | <u> </u> |         |          |          | 461       | 461      | 880      | 265       |
| 50/ 49      | •0 | 1.2      | 2.2   | 1.3   | . 8   | • 3         | • 1     |            |          |          |          |          |         |          |         |          |          | 424       | 424      | 895      | 446       |
| 48/ 47      |    | 1.3      | 1.6   | 1.1   | . 4   | • 2         | •0      |            |          | <u> </u> |          |          |         |          |         |          | 1        | 335       | 335      | 807      | 640       |
| 46/ 45      | .1 | 1.1      | 1.0   | .7    | . 5   | • 0         |         |            |          |          | "        |          |         |          |         |          |          | 250       | 250      | 778      | 856       |
| 44/ 43      | .0 |          | .7    | . 5   | . 3   | • 0         |         |            | <u> </u> | ļ        |          |          |         |          |         |          | 1        | 157       | 157      | 499      | 765       |
| 42/ 41      | •0 | .4       | • 3   | • 2   | • 1   |             |         |            |          |          |          |          |         |          |         |          |          | 76        | 76       | 323      | 626       |
| 40/ 39      |    | .3       | • 3   | . 2   |       | _           |         |            |          |          |          |          |         |          |         |          | J        | 59        | 59       | 177      | 638       |
| 38/ 37      |    | • 1      | ۔ کیا | •0    |       |             |         |            |          |          | i        |          |         |          |         |          |          | 24        | 24       | 135      | 673       |
| 36/ 35      |    | , 2      | • 0   |       |       |             |         |            |          |          |          |          |         |          |         |          |          | 14        | 14       | 54       | 580       |
| 34/ 33      |    | • 2      |       |       |       |             |         |            |          |          |          |          |         |          |         |          |          | 15        | 15       | 37       | 394       |
| 32/ 31      | 0  | .0       |       |       |       |             |         | <u>L</u> _ |          |          | <u> </u> |          |         | L -      |         |          |          | 4         | 4        | 18       | 278       |
| 30/ 29      |    | .0       |       |       |       |             |         |            |          |          |          |          |         |          |         |          | j"       | 3         | 3        | 2        |           |
| 28/ 27      |    |          |       |       |       |             |         |            |          |          |          | <u>L</u> |         |          |         |          |          |           | [        | 3        |           |
| Element (X) |    | Σχ²      |       |       | ΣX    | $\Box$      | X       | <b>₹</b> 2 |          | No. OL   | s.       |          |         |          | Mear, N | lo. of H | ours wit | h Tempera | ture     |          |           |
| Rel. Hum.   |    |          |       |       |       |             |         |            |          |          |          | ± 0 1    | F :     | ≤ 32 F   | ≥ 67    | F        | 73 F     | ≥ 80 F    | ≥ 93 l   | F        | Total     |
| Dry Bulb    |    |          |       |       |       |             |         |            |          |          |          |          |         |          |         |          |          |           |          |          |           |
| Wet Bulb    |    |          |       |       |       | $\exists$   |         |            |          |          |          |          | _       |          |         |          |          |           |          |          |           |
| Dew Point   |    |          |       |       |       | $\neg \neg$ |         |            |          |          |          |          |         |          |         |          |          |           |          |          |           |

# **PSYCHROMETRIC SUMMARY**

| Temp 0<br>26/ 25<br>24/ 3<br>22/ 21<br>20/ 19<br>18/ 17<br>UTAL |          | - 2      | 3 - 4        | 5 - 6 | 7 - 8        | WET 9 - 10 |          | TEMPER       | ATURE   | 05005    |         |         |             |         |         |         |          | PAG          | 2 3      | HOURS (      | LL        |
|-----------------------------------------------------------------|----------|----------|--------------|-------|--------------|------------|----------|--------------|---------|----------|---------|---------|-------------|---------|---------|---------|----------|--------------|----------|--------------|-----------|
| (F) 0<br>26/ 25<br>24/ 3<br>22/ 21<br>20/ 19<br>18/ 17          |          | - 2      | 3 - 4        | 5 - 6 | 7 - 8        |            |          |              | ATURE   | 05005    |         |         |             |         |         |         |          |              |          | ***********  | L. S. I.  |
| 26/ 25<br>24/ 13<br>22/ 21<br>20/ 19<br>18/ 17                  |          | - 2      | 3 - 4        | 5 - 6 | 7 - 8        | 9 - 10     | 11 - 12  |              |         | DELKE    | SSION ( | F)      |             |         |         |         |          | TOTAL        |          | TOTAL        |           |
| 24/ (3<br>22/ 21<br>20/ 19<br>18/ 17                            |          |          |              |       |              |            |          | 13 - 14      | 15 - 16 | 17 - 18  | 19 - 20 | 21 - 22 | 23 - 24     | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31     | D.8./W.B.    | Dry Bulb | Wet Bulb     | Dew Poi   |
| 20/ 19<br>18/ 17                                                |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              | 112<br>32 |
| 18/ 17<br>OTAL                                                  | -+       |          | ĺ            |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              | 32        |
| DTAL                                                            | - 1      |          |              |       | <del> </del> |            |          | <del> </del> |         |          |         |         |             |         |         |         |          | <del> </del> | <b> </b> | <b></b>      | 8         |
|                                                                 | . 1      | 7.3      | 13.7         | 12.0  | 12.0         | 10.6       | 9.1      | 7.5          | 6.5     | 5.8      | 5 - 2   | 3.5     | 2.6         | 2.0     | او      | •6      | .6       | 1            | 7200     |              | 7200      |
| ľ                                                               | <u></u>  |          |              |       |              |            |          | 1,42         |         | 7,00     | 7 7     |         | - 1         |         | •       |         |          | 7200         |          | 7200         | 1200      |
| <del></del>                                                     | _        |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         | <u> </u> | 1200         |          | 700          |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          | !            |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
| <del>-</del>                                                    |          | $\dashv$ |              |       |              |            |          |              |         |          |         |         |             | •       | _       |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          | <del> </del> |           |
|                                                                 | -        | _        |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         | ·        |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 | -        |          |              |       |              |            | ž.       |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            | 3        |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              | :        |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              |           |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         |             |         |         |         |          |              |          |              | <u> </u>  |
|                                                                 |          |          |              |       |              |            |          |              |         |          |         |         | •           |         |         |         |          |              |          |              |           |
| lement (X)                                                      | Σ        | ~        |              |       | Σχ           |            | X        | ₹ ×          | $\perp$ | No. Ob   |         |         |             |         |         |         |          | Temperat     |          |              |           |
| el. Hum.                                                        |          | 273      | 2907         |       | 3770         | 85         | 52.4     | 20.3         | 59      | 72       | 00      | ≤ 0.1   |             | 32 F    | ≥ 67    |         | 73 F     | ≥ 80 F       | ≥ 93 F   |              | Total     |
| ry Bulb                                                         | <u>Z</u> | 1/0      | 5522         |       | 4390         | 48         | <u> </u> | 11.3         | 8.5     | 72       | 00      |         |             |         | 213     |         | 23.6     | 53.          | <u>•</u> | .2           | 720       |
| et Bulb                                                         |          |          | 0218<br>5205 |       | 2954         |            |          | 7,3          |         | 72<br>72 |         |         | <del></del> | 2,3     | 1       | 2       |          | ļ            |          |              | 720       |

CALC 364 MSOS SIMI SO SMOOTING SOLVERS OF INSTANCE OF INC.

C FORM 0.26-5 (OL.A)

### **PSYCHROMETRIC SUMMARY**

MALASTROM AFB MT/GREAT FALLS 58-77 0000-0200 PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 82/ 81 .1 8C/ 79 1 78/ 77 76/ 75 4 8 .1 8 74/ 73 .1 .2 20 20 72/ 71 70/ 69 20 20 54 54 68/ 67 61 61 2 65 1.0 2.3 66/ 87 87 64/ 63 3.9 96 3 96 1.1 1,6 2.7 ,9 62/ 61 1.2 5 3.1 3.3 103 103 60/ 59 .6 1.5 6 106 106 58/ 57 2.8 47 1.7 116 116 97 56/ 55 33 1.3 3.0 2,5 126 54/ 53 36 43 43 154 52/ 51 32 60 32 126 50/ 49 . 1 • 1 1.3 72 33 . . 2 . 8 33 113 48/ 47 132 25 25 92 46/ 45 1,1 13 13 56 107 43 106 42/ 41 • 1 • 1 33 86 23 40/ 39 77 17 38/ 37 45 36/ 35 8 33 34/ 33 2 26 32/ 31 35 30/ 29 24 28/ 4 26/ 25 3 24/ 23 4 22/ 21 20/ 19 18/ 17 Element (X) 10F ± 32 F ≥67 F ≥ 73 F ≥ 93 F Rel. Hum. Dry Bulb

DRM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF

2

SAFETAC FORM

Dey Point

Dew Point

#### **PSYCHROMETRIC SUMMARY**

| Wet Bulb     |   | 224                                              | 7099          | !     | 464          | 51                                               | 49,9     | 5.3     | 91      | Q        | 30          |             |         | •1                                     |         |             |                                                  | [            | 1           |       | 93      |
|--------------|---|--------------------------------------------------|---------------|-------|--------------|--------------------------------------------------|----------|---------|---------|----------|-------------|-------------|---------|----------------------------------------|---------|-------------|--------------------------------------------------|--------------|-------------|-------|---------|
| Dry Bulb     |   | 321                                              | 5109          |       | 543          | 11                                               | 58.4     | 6.8     | 35      | 9:       | 30          |             |         |                                        | 10.     |             | 1.5                                              |              |             |       | 9:      |
| Rel. Hum.    |   |                                                  | 9264          |       | 531          | 26                                               | 57.1     | 15.8    | 86      |          | 30          | ± 0 F       | 1 1     | 32 F                                   | ≥ 67    |             | 73 F                                             | > 80 F       | ≥ 93 F      | ·   T | otal    |
| Element (X)  |   | Σχ²                                              | L             |       | Σχ           | <del>' Т</del> -                                 | X        | ·,      |         | No. Ob   | . T         |             | 1       | ــــــــــــــــــــــــــــــــــــــ | Mean N  | o, of H     | ours wie                                         | h Temperat   | ure         |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             | 1     |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         | <b> </b> |             |             |         |                                        |         |             | <u> </u>                                         |              |             | !     |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             |       |         |
| ļ            |   |                                                  |               |       | l            |                                                  |          |         |         |          | -           | 1           | 1       | Ì                                      |         |             | 1                                                |              |             | ł     |         |
|              |   | <del>                                     </del> |               |       |              | -                                                | -        |         |         |          |             | -+          |         |                                        |         |             |                                                  |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             | l       |                                        |         |             |                                                  |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          | l           |             |         |                                        |         |             |                                                  |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         | 1        | <del></del> | <del></del> |         |                                        |         |             | 1                                                |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          | ľ           | - 1         | İ       | i                                      |         |             |                                                  | ,            |             | ľ     |         |
|              |   |                                                  |               | ļ     | ļ            | <b>}</b>                                         | ļ        |         |         |          |             |             |         |                                        |         |             | <u> </u>                                         | <u> </u>     |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             |       |         |
|              |   | <u> </u>                                         |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             |       |         |
|              |   | <del>                                     </del> |               |       |              |                                                  |          |         |         |          | -           |             |         |                                        |         |             | <del>                                     </del> | <del> </del> |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          | İ           | ļ           |         |                                        |         |             |                                                  |              |             | ļ     |         |
|              |   |                                                  | <u> </u>      |       | <del> </del> |                                                  |          |         |         |          |             |             |         |                                        |         |             | <del> </del>                                     |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             | ļ       |                                        |         |             |                                                  |              |             |       |         |
|              |   | <del>                                     </del> |               |       |              | <del>                                     </del> |          |         |         |          |             |             |         |                                        |         | <del></del> | <del> </del>                                     |              | <del></del> |       |         |
|              |   |                                                  | '             |       |              |                                                  |          |         |         |          |             | 1           | l       |                                        |         |             |                                                  |              |             | İ     |         |
| <del>-</del> |   | <u> </u>                                         |               | ļ     |              |                                                  |          |         |         |          |             |             |         |                                        |         |             | <u> </u>                                         |              |             |       |         |
|              |   |                                                  |               |       | l            | i                                                |          |         |         |          |             |             |         |                                        |         |             | †—-                                              |              |             |       |         |
| ļ            |   |                                                  |               |       | ļ            | ļ                                                |          |         |         |          |             |             | l       |                                        |         |             |                                                  |              |             | i     |         |
|              |   | <del> </del>                                     |               |       | <u> </u>     |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             |       |         |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  |              |             |       |         |
| ,            |   |                                                  |               |       | ĺ            |                                                  |          |         |         |          |             | - 1         | ļ       |                                        |         |             |                                                  |              |             |       |         |
|              |   |                                                  | <del></del> - |       |              | ├                                                |          |         |         |          |             |             |         |                                        |         |             |                                                  | 930          |             | 930   |         |
| DTAL         |   | 6.3                                              | 11.5          | 15.1  | 18.2         | 21.7                                             | 11.8     | 6.8     | 5.4     | 2.0      | 1.0         | •1          |         | •1                                     | 27 - 28 |             |                                                  |              | 930         | _     | 93      |
| (F)          | 0 | 1 - 2                                            | 3 - 4         | 5 - 6 | 7 - 8        | 9 - 10                                           | 11 - 12  | 13 - 14 | 15 - 16 | 17 - 18  | 19 - 20     | 21 - 22     | 23 - 24 | 25 - 26                                | 27 - 28 | 29 - 30     | ≥ 31                                             | D.B./W.B.    | Dry Bulb    |       | Dew P   |
| Temp         |   |                                                  |               |       |              | WET                                              | BIII B T | FMPF    | ATURE   | DEPRE    | SSION (     | E)          |         |                                        |         |             |                                                  | TOTAL        |             | TOTAL | . 3. 1. |
|              |   |                                                  |               |       |              |                                                  |          |         |         |          |             |             |         |                                        |         |             |                                                  | PAGE         | 2           | 0000- | 020     |
|              |   |                                                  |               | S.    | TATION N     | AME                                              |          |         |         | 08-      |             |             |         | YE                                     | ARS     |             |                                                  | -            |             | jL    | TH      |

DATA PRUCESSING BRANCH USAF ETAC

#### **PSYCHROMETRIC SUMMARY**

| 4112             | <u>H/</u> | ALMST                                            | RUM         | AFB       | MT/G                                             | REAT | FAL          | LS           |              | 68-                                              | <b>7</b> 7     |       |      |         |              |             |                  |          |              | UL.          |
|------------------|-----------|--------------------------------------------------|-------------|-----------|--------------------------------------------------|------|--------------|--------------|--------------|--------------------------------------------------|----------------|-------|------|---------|--------------|-------------|------------------|----------|--------------|--------------|
| STATION          |           |                                                  |             | S1        | TATION N                                         | AME  |              |              |              |                                                  |                |       |      | YE      | ARS          |             | PAGE             | 1        | 0300-        | -0500        |
| Temp             |           |                                                  |             |           |                                                  | WET  | BULB         | TEMPER       | ATURE        | DEPRE                                            | SSION          | F)    |      |         |              |             | TOTAL            |          | TOTAL        |              |
| (F)              | 0         | 1 - 2                                            | 3 - 4       | 5 · 6     | 7 - 8                                            |      |              |              |              |                                                  |                |       | - 24 | 25 - 26 | 27 - 28 29   | - 30 ≥ 31   | D.B./W.B.        | Dry Bulb |              | Dew Poil     |
| 82/ 81           |           |                                                  |             |           |                                                  |      | i            | i ——         |              |                                                  |                |       | .1   |         |              |             | 1                | 1        |              |              |
| 80/ 79           |           |                                                  |             |           |                                                  |      |              |              |              |                                                  |                |       |      | •1      |              |             | 1                | 1        |              |              |
| 78/ 77           |           | 1                                                |             |           |                                                  |      |              |              |              |                                                  |                | ] ]   | •1   | j       | J            | 1           |                  | 1        | j !          | ı            |
| 74/ 73           |           | <u> </u>                                         |             | ļ         |                                                  |      |              |              | •1           | ,4                                               |                |       |      |         |              |             | 6                | 6        |              |              |
| 72/ 71           |           | Ì                                                |             |           |                                                  | _    | _            | • 2          | •2           | .3                                               | ١.             |       |      | ŀ       | i            | i           | 7                | 7        |              | 1            |
| 70/ 69           |           |                                                  |             | <b></b> - |                                                  | • 3  |              |              |              | .1                                               | •1             |       |      |         |              |             | 17               | 17       | ├            | <del> </del> |
| 68/ 67           |           | • 1                                              | 1 -         |           | • 1                                              | •2   |              |              |              |                                                  |                |       | ĺ    |         |              | ]           | 33               | 33       | اما          | ł            |
| 66/ 65           |           | • 1                                              | • 2         | .5        | • 8                                              | 1.2  |              | •5           | •2<br>•2     | •1                                               | <del> </del> - |       |      |         |              |             | 43               | 43       | 2            |              |
| 62/ 61           |           | .6                                               | 1           | 1.0       |                                                  | 1.7  |              | .5           | .3           |                                                  |                |       |      |         |              |             | 63               | 63       | 3            |              |
| 60/ 5%           | _         | 6                                                |             |           |                                                  |      |              |              |              |                                                  |                |       |      |         |              |             | 91               | 91       | 13           | -            |
| 58/ 57           |           | 1.1                                              | 1.0         |           | 3.3                                              |      |              |              |              | <u> </u>                                         |                |       | ļ    |         |              | ŀ           | 108              | 108      | 29           | •            |
| 56/ 55           |           | 1.4                                              | 1.4         | 3.5       |                                                  |      |              |              |              |                                                  |                |       |      |         | <del> </del> |             | 118              | 118      | 72           | 10           |
| 54/ 53           |           | 1.4                                              | 2.4         | 3.9       |                                                  | 1.3  | .4           |              | ļ            | 1                                                |                |       | ļ    |         |              | ļ           | 126              | 126      | 91           | 3            |
| 52/ 51           |           | 1.0                                              | 1.9         | 4.6       | 1,9                                              | •6   |              |              |              |                                                  | i              |       |      |         |              |             | 96               | 96       | 129          | 3            |
| 50/ 49           |           | .4                                               | 2.9         | •         |                                                  |      | ı            | ļ            | ļ            |                                                  | Ì              |       |      |         |              |             | 60               | 60       | 131          | 4            |
| 48/ 47           |           | .8                                               | 1.5         | 1.2       | ,5                                               | ,4   | •1           |              |              |                                                  |                |       |      |         |              |             | 42               | 42       | 146          | 8            |
| 46/ 45           |           | . 8                                              |             |           | 1.6                                              | •3   | •1           |              |              |                                                  |                |       |      |         |              |             | 47               | 47       |              | 11           |
| 44/ 43           |           | -4                                               | •9          |           | .3                                               |      |              |              |              |                                                  |                |       | - 1  | [       | 1            |             | 28               | 28       | 49           | 11           |
| 42/ 41           |           | .6                                               |             |           |                                                  | •1   | ļ            |              | <u> </u>     | <u> </u>                                         | !<br>          |       |      |         |              |             | 14               | 14       | 45           | 12           |
| 40/ 39           |           | .3                                               |             |           |                                                  |      |              |              |              |                                                  |                |       |      |         | j            |             | 11               | 11       | 31           | 10           |
| 38/ 37           |           | - <del> </del>                                   | • 2         | 7         |                                                  |      |              | ļ            |              | ļ                                                | <u> </u>       |       |      |         |              |             | 2                | <u>2</u> |              | 7            |
| 36/ 35           |           |                                                  | •1          |           |                                                  |      |              | 1            |              | }                                                | }              |       |      |         |              |             | 1                |          | 14           | 4            |
| 34/ 33<br>32/ 31 |           |                                                  |             |           | <del></del>                                      |      |              | <del> </del> | <del> </del> | <del> </del>                                     |                |       |      |         |              |             | <del>  -  </del> |          | 9            | 2            |
| 30/ 29           |           | 1                                                | ĺ           |           |                                                  |      |              |              | Ì            |                                                  |                |       |      |         |              |             | 1 1              |          | *            | 2            |
| 28/ 27           |           | <del>                                     </del> | <del></del> |           | <del>                                     </del> |      | <del> </del> |              | <del> </del> | <del>                                     </del> | <del></del>    |       |      |         |              | <del></del> | <del>  </del>    |          | <del> </del> | 2            |
| 26/ 25           |           |                                                  | ļ           |           |                                                  |      |              | ļ            |              |                                                  |                |       |      |         |              |             |                  |          |              | -            |
| 24/ 23           |           |                                                  |             |           |                                                  |      | <del></del>  |              |              | <del> </del>                                     |                |       |      |         |              |             | 11               |          |              |              |
| 22/ 21           |           |                                                  |             |           |                                                  |      |              | İ            |              |                                                  | !              |       |      |         |              |             |                  |          |              |              |
| 20/ 19           |           |                                                  |             | i         |                                                  |      |              |              | <u> </u>     |                                                  |                |       |      |         |              |             |                  |          |              |              |
| TOTAL            |           | 9.8                                              | 15.8        | 22.8      | 23.4                                             | 14.6 | 6.7          | 4.1          | 1.3          | 1.0                                              | 2              |       | .2   | -1      |              |             | 1 _ i            | 930      |              | 93           |
|                  |           |                                                  |             |           |                                                  | <br> |              |              |              |                                                  |                |       |      |         |              |             | 930              |          | 930          |              |
| Element (X)      |           | Σχ'                                              | L           |           | ZX                                               |      | X            | •*           |              | No. Ob                                           |                |       |      | l       | Mean No.     | of Hours wi | th Temperatu     | ire      | <u></u>      |              |
| Rel. Hum.        |           | 384                                              | 3981        |           | 581                                              |      |              | 14.7         |              | 9                                                | 30             | ± 0 F |      | 32 F    | ≥ 67 F       | ≥ 73 F      | ≥ 80 F           | ≥ 93 1   | F :          | Total        |
| Dry Bulb         |           | 288                                              | 2172        |           | 513                                              | 88   | 55,3         | 6.8          | 27           |                                                  | 30             |       |      |         | 4.7          | • 9         | .1               |          |              | 9            |
| Wet Bulb         |           | 220                                              | 5667        |           | 450                                              | 07   | 48,4         | 5.4          | 48           | 9                                                | 30             |       |      | _1      |              |             |                  |          |              | 9:           |
| Dew Point        |           | 168                                              | 0937        | 1         | 390                                              | 03   | 41.9         | 6.9          | 75           | 9                                                | 30             |       |      | 9.0     |              | 1           |                  | 1        |              | 97           |

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USAFETAC

## **PSYCHROMETRIC SUMMARY**

JUL YEARS 0600-0800 HOURS (L. S. T.) PAGE 1

| Tem    | p      |   |               |          |              |                | WET    | BULB 7  | EMPER         | ATURE    | DEPRE   | SSION ( | F)         |         |          |           |         |              | TOTAL        |              | TOTAL    |              |
|--------|--------|---|---------------|----------|--------------|----------------|--------|---------|---------------|----------|---------|---------|------------|---------|----------|-----------|---------|--------------|--------------|--------------|----------|--------------|
| (F)    |        | 0 | 1 - 2         | 3 - 4    | 5 - 6        | 7 - 8          | 9 - 10 | 11 - 12 | 13 - 14       | 15 - 16  | 17 - 18 | 19 - 20 | 21 - 22    | 23 - 24 | 25 - 26  | 27 - 28 2 | 9 - 30  | ≥ 31         | D.B./W.B.    | Dry Bulb     | Wet Bulb | Dew Poin     |
| 80/    | 79     |   |               |          |              |                |        |         |               |          | •2      | . 2     | • 2        |         | •1       |           |         | 1            | 7            | 7            |          | ĺ            |
|        | 77     |   |               |          |              |                |        |         |               | .3       | .1      | . 1     | . 1        |         |          | 1         |         |              | 6            | 6            |          | L            |
| 76/    | 75     |   | 1             |          |              | .2             |        |         | • 1           | .5       | ,3      | •1      | •3         | •1      |          |           |         |              | 16           | 16           |          |              |
| 74/    | 73     |   | 1             |          | İ            |                | • 1    | .3      | .4            | . 8      | 1.1     | .1      |            |         |          | ļ         |         |              | 26           | 26           |          | ĺ            |
| 72/    | 71     |   | 1             |          | • 1          | •2             | • 2    | •6      | 1.2           | .6       | • 5     | .2      |            |         |          |           |         |              | 35           | 35           |          |              |
| 70/    | 69     |   | Ì             | į        | .2           | . 1            | • 5    | 1.6     | 1.4           | .8       | . 3     |         |            |         |          |           |         |              | 46           | 46           |          | L            |
| 68/    | 67     |   | .1            | • 1      | •2           | 1.0            | 1.7    | 1.8     | 1.5           | 1.1      | .1      |         |            |         |          |           |         |              | 71           | 71           | 2        |              |
| 66/    | 65     |   | .1            | .4       | .5           | . 9            | 2.4    | 2.4     | 1.0           | .4       | . 5     | 1       |            | _       | 1        |           |         | 1            | 81           | 81           | 3        | 1            |
| 64/    | 63     |   | •1            | .2       | •4           | 2.0            | 2.6    |         | 1.6           | .6       | • 1     |         |            |         |          |           |         |              | 97           | 97           | 8        | 4            |
| 62/    |        |   | .1            | 1.2      |              | 3.2            | 1.9    | 2.9     | •6            | .6       |         | .1      | j          |         |          |           |         | <u> </u>     | 110          | 110          | 22       |              |
| 60/    | 59     |   | • 5           |          |              |                |        |         | •4            |          |         |         |            |         |          |           |         | !            | 104          | 105          | 52       | 7            |
| 58/    | 57     |   | .8            |          |              |                |        |         | • 3           |          |         |         |            |         |          |           |         |              | 96           | 96           | 90       | 15           |
| 56/    | 55     |   | .5            |          |              |                |        | • 5     | • 1           | •1       |         |         |            |         |          |           |         | ]            | 83           | 83           | 112      | 27           |
| 54/    | 53     |   | •2            | 1.7      |              |                | 1.1    | • 1     |               |          |         |         |            |         | <u> </u> |           |         | <u> </u>     | 55           | 55           | 148      | 33           |
| 52/    | 51     |   | .2            |          | 1.1          | . 8            | •6     |         | • 2           |          |         |         |            |         |          |           |         |              | 37           | 37           | 138      | 42           |
| 50/    | 49     |   | !             | 1.4      |              | • 3            |        |         |               |          |         |         |            |         |          |           |         | <u> </u>     | 22           | 22           | 125      | 102          |
| 48/    | 47     |   | .3            |          |              |                |        |         |               | ]        |         |         |            |         |          | i         |         | İ            | 15           | 15           | 94       | 122          |
| 46/    |        |   | . 3           |          |              | • 1            | •1     |         |               |          |         |         |            |         |          |           |         | <u> </u>     | 15           | 15           | 70       | 104          |
| 44/    | 43     |   | .4            | • 1      |              |                |        |         |               |          | į       |         |            |         |          |           |         | 1            | 5            | 5            | 31       | 113          |
| 42/    |        |   | ·             | !<br>    |              |                |        |         |               |          |         |         |            |         |          |           |         | ļ            |              |              | 22       | 102          |
| 40/    | 39     |   | •i            | l        | • 1          |                |        |         |               |          |         |         |            |         | ]        |           |         | ļ            | 2            | 2            | 8        | 84           |
| 38/    | 37     |   | <u> </u>      | <u> </u> | <u>!</u> -   |                |        |         |               | <u> </u> |         |         |            |         |          |           |         | ļ            |              | <b> </b>     | 2        | 46           |
| 36/    |        |   |               | !        | ļ            | ŀ              |        |         |               | ŀ        |         |         |            |         |          |           |         |              | l            | <b>!</b>     | 1        | 41           |
| 34/    |        |   | -             | <u> </u> |              |                |        |         |               |          |         |         |            |         |          |           |         | <u> </u>     | <u> </u>     | <b> </b>     | 1        | 37<br>22     |
| 32/    | 31     |   | 1             | l        |              |                |        | 1       |               |          |         |         |            |         |          |           |         | l            |              | <b>i</b> !   | ł        | 22           |
| 30/    | 29     |   | <del>- </del> |          | ļ            | ļ              |        |         | ļ             |          |         |         |            |         | <b> </b> |           |         | ļ            | <del> </del> | <b> </b>     |          | 11           |
| 28/    | 27     |   | i             | İ        |              |                |        |         | <b>i</b><br>! | !<br>!   |         |         |            |         |          |           |         | 1            |              |              | ĺ        | 6            |
| 24/    | 23     |   | <del></del>   | <u> </u> | <del> </del> |                |        |         |               | ļ        | <b></b> |         |            |         | -        |           |         | <del> </del> |              | <del> </del> |          | 2            |
| 22/    |        |   | 1             |          |              |                |        |         |               |          |         |         |            |         |          |           |         |              |              |              | 1        | 1            |
| 20/    |        |   | <del> </del>  |          | 100 5        |                |        |         |               |          |         |         |            |         |          |           |         | <del> </del> | <del> </del> | 930          | <u> </u> | 929          |
| DŢA    | Ľ      |   | 3.4           | 10.8     | 12.5         | 18.0           | 18.5   | 12.0    | 8.9           | 6.0      | 3.3     | 1.0     | +6         | •1      | • 1      |           |         |              | 929          |              | 929      |              |
|        |        |   | -             |          |              | <del> </del>   |        | -       | -             | <b></b>  |         |         |            |         |          | -         |         | <del> </del> | 727          | <b> </b> -   | 727      | <del> </del> |
|        |        |   |               |          |              |                |        |         |               |          |         |         |            | L       |          | L1        |         |              |              |              |          |              |
| Elemen | ıı (X) |   | Σχ'           |          |              | z <sub>X</sub> |        | X       | <b>₽</b> g    |          | No. Ol  | 5.      |            |         |          | Mesn No   | o. of H | ours wit     | h Tempera    | ture         |          |              |
| Rel H  | um.    |   |               | 4125     |              | 517            |        | 55,7    |               |          |         | 29      | <b>±</b> 0 |         | 32 F     | ≥ 67 1    |         | 73 F         | ≥ 80 F       | ≥ 93 1       | <u> </u> | Total        |
| Dry Bu | lb     |   |               | 1460     |              | 568            |        | 61.1    |               |          |         | 30      |            | $\Box$  |          | 20.       | 7       | 5.5          |              | 3            |          | 93           |
| Wet Bu | ıΙb    |   |               | 0506     |              | 482            |        | 51.9    |               |          |         | 29      |            |         |          |           | 2       |              |              |              |          | 9:           |
| Dew P  | oint   |   | 185           | 2257     | r:           | 409            | 99     | 44.1    | 6.7           | 97       | 9       | 29      |            |         | 4.6      |           |         |              | L            |              |          | 93           |

## **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME PAGE 1 0900-1100

|                       |   |                                                   |       |             |       |             |            |               |                   |          |          |          |           |          |              |         |          |            |         | HOURS (        | L. S. T.) |
|-----------------------|---|---------------------------------------------------|-------|-------------|-------|-------------|------------|---------------|-------------------|----------|----------|----------|-----------|----------|--------------|---------|----------|------------|---------|----------------|-----------|
| Temp                  |   | <del>,                                     </del> |       | <del></del> |       |             |            | EMPER         |                   |          |          |          |           |          | ,            |         |          | TOTAL      |         | TOTAL          |           |
| (F)                   | 0 | 1 - 2                                             | 3 - 4 | 5 - 6       | 7 - 8 | 9 - 10      | 11 - 12    | 13 - 14       | 15 - 16           | 17 - 18  | 19 - 20  | 21 - 22  | 23 - 24   | 25 - 26  | 27 - 28      | 29 - 30 | ≥ 31     | D.B./W.B.  |         | Wet Bulb       | Dew Point |
| 94/ 93                |   |                                                   | :     |             | ļ     | 1           |            |               |                   |          |          |          |           |          |              | •1      | • 1      | 2          | 2       |                |           |
| 92/ 91                |   |                                                   |       |             |       |             |            |               |                   |          |          |          |           | •1       |              |         |          | 1          | 1       |                |           |
| 90/ 89                |   | 1 1                                               | ĺ     |             |       | 1           |            |               |                   |          |          | _        | _         | •2       | • 1          | • 1     | • 3      | 1          | 7       | 1              |           |
| 88/ 87                |   | <u>  </u>                                         |       |             |       |             |            |               |                   |          |          |          | <u>•3</u> | •3       | .4           | •2      | •1       | 14         | 14      | ļ              |           |
| 86/ 85                |   | 1                                                 | ĺ     | }           |       |             |            |               | • 1               |          | •2       |          | .3        | •2       | • 1          |         |          | 11         | 11      |                |           |
| 84/ 83                |   | <b> </b> -                                        |       |             |       |             |            |               | _ <u>_e</u>       |          | - 3 4    | • 3      | .9        |          |              | .1      | ļ        | 27         | 27      |                |           |
| 82/ 81                |   |                                                   | 1     | ļ           | l     | ,           | ,          | • 1           | • 1               |          |          |          | 1.4       |          | •3           |         |          | 55         | 55      |                |           |
| 80/ 79                |   | <del>  </del>                                     |       |             |       | 1           | -1         | .4            | .8                |          |          |          |           |          | -1           |         |          | 71         | 71      | <u> </u>       |           |
| 78/ 77                |   | !!!                                               |       | ,           |       | . 3         | • 4        | 8.<br>8       | .8<br>2.5         |          | 1.3      |          |           |          |              |         |          | 79         | 79      | ]              |           |
| 76/ 75                |   | <del> </del>                                      |       | 1           |       |             | <u>• 4</u> |               |                   |          |          | •9       | - 2       |          |              |         |          | 77         | 77      | <del> </del> - |           |
| 74/ 73                |   |                                                   | • 1   | . 2         | . 1   | •3          | 1.7        | 1.9           | 2.2               |          |          | •9       |           | •1       |              |         |          | 94         | 94      |                |           |
| 70/ 69                |   | <del> </del>                                      |       | • -         | • 2   | • 5         | 1.0        |               |                   |          |          |          |           |          |              |         |          | 82         | 82      | 5              |           |
| 68/ 67                |   | • 1                                               | . 1   |             | . 6   | 1.6         |            | 2.2           | 1.4               | .8       |          |          | • 2       | i i      | l            |         | 1        | 91         | 91      | , ,            | 2         |
| 66/ 65                |   |                                                   | • 1   | .2          | .6    | , 8         |            |               | $\frac{1.1}{1.1}$ | •5       |          |          |           |          |              |         | <u> </u> | 66         | 66      | 20             | 2         |
| 64/ 63                |   |                                                   | - 4   | . 2         | •     | 1.2         | 1.1        | 1.8           |                   |          |          |          |           |          | i            |         | Ì        | 61         | 61      |                | 2         |
| 62/61                 |   | •1                                                | .4    | • 1         | 1.0   |             |            |               |                   |          |          |          |           |          |              |         |          | 43         | 43      |                | 9         |
| 60/ 59                |   | 1                                                 | . 3   | . 3         | . 8   | . 3         | . 2        |               | .2                | ••       |          | <b>!</b> |           |          | ii           |         |          | 20         | 20      | 141            | 9         |
| 58/ 57                |   |                                                   | • 3   | .3          |       | • 2         |            |               |                   |          |          |          |           |          |              |         | i        | 10         | 10      |                | 12        |
| 56/ 55                |   | . 2                                               | . 3   | . 5         | . 4   | • 1         |            |               |                   | j        | !        |          |           | 1 1      | 1 1          |         | 1        | 15         | 15      |                | 27        |
| 54/ 53                |   | .1                                                | .9    |             |       | • 2         |            |               |                   |          |          |          |           |          |              |         |          | 13         | 13      |                | 44        |
| 52/ 51                |   |                                                   | . 3   | . 1         | . 2   | • 1         |            |               |                   | !<br>!   |          |          |           |          |              |         |          | 7          | 7       | 98             | Ŷo        |
| 50/ 49                |   |                                                   | . 2   |             | . 1   |             |            |               |                   |          |          |          |           |          |              |         |          | 3          | 3       | 77             | 89        |
| 48/ 47                |   |                                                   | . 2   | . 1         |       |             |            |               |                   |          |          |          |           |          |              |         |          | 3          | 3       |                | 91        |
| 46/ 45                |   | • 2                                               | • 1   |             | 1     |             |            |               |                   |          |          |          |           |          |              |         |          | 3          | 3       | 18             | 130       |
| 44/ 43                |   | -1                                                |       |             |       |             |            |               |                   |          |          |          |           |          |              |         |          | 1          | 1       | 10             | 87        |
| 42/ 41                |   | i l                                               | . 1   |             |       |             |            |               |                   |          |          |          |           |          |              |         |          |            |         | 3              | 75        |
| 40/ 39                |   | <u> </u>                                          |       |             |       |             |            |               |                   |          |          |          |           |          |              |         |          |            |         | ļ              | 68        |
| 38/ 37                |   |                                                   |       |             |       |             |            |               |                   | l        |          |          |           |          |              |         |          |            |         |                | 65        |
| 36/ 35                |   |                                                   |       |             |       |             |            |               |                   |          |          |          |           |          | ļ            |         |          | L          |         |                | 55        |
| 34/ 33                |   |                                                   | 1     |             |       |             |            |               |                   | ĺ        |          |          |           |          |              |         |          |            |         |                | 37        |
| 32/ 31                |   | <b> </b>                                          |       |             |       |             |            |               |                   | <b> </b> |          | <u> </u> |           | <b> </b> | <b> </b>     |         | <b></b>  | ļ          | <u></u> | <b> </b>       | 13        |
| 30/ 29                |   |                                                   |       |             |       |             |            |               |                   |          |          |          |           |          |              |         |          |            |         |                | 12        |
| 28/ 27                |   | <u>                                     </u>      |       | ļļ          | اا    | <del></del> |            | ليسيا         | <del></del>       | No. Ob   | <u> </u> | L        |           | L        | ـــــــا     |         | <u> </u> |            |         | L              | 12        |
| Element (X)           |   | Σχı                                               |       |             | Σχ    | -           | Ĭ.         | * <u>*</u> *  |                   | No. OF   | 5.       |          |           | - 10 5   |              |         |          | h Temperat |         |                | F-4-1     |
| Rel. Hum.             |   | <u>·</u>                                          |       |             |       |             |            | <u> </u>      |                   |          |          | ± 0 1    |           | ≤ 32 F   | ≥ 67         | ٠,      | 73 F     | ≥ 80 F     | ≥ 93    |                | Fatal     |
| Dry Bulb              |   | <del></del> -                                     |       |             |       | -           |            | <del></del> - |                   |          |          |          | -+-       |          |              |         |          |            |         |                |           |
| Wet Bulb<br>Dew Point |   |                                                   |       |             |       |             |            |               |                   |          |          |          |           |          | <del> </del> |         |          | <b> </b>   |         |                |           |
| DEM POINT             |   |                                                   |       |             |       |             |            | L             | ل                 |          |          |          |           |          | <u> </u>     |         |          |            |         |                |           |

FORM O-26-5 (OLA) REVISED MEYOUS EDITIONS OF THIS FORM ATE ONSOLETE

USAFETAC

REVISED PREVIOUS EDITIONS OF THIS FORM ARE

0.26-5 (OL A)

FOE JUL 04

#### **PSYCHROMETRIC SUMMARY**

HOURS (L. S. T.)

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS          | 68-77 YEARS | JUL       |
|------------------|---------------------------------------|-------------|-----------|
| •••••            | · · · · · · · · · · · · · · · · · · · | PAGE 2      | 0900-1100 |

WET BU'LB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 2; 22 23-24 25-26 27-28 29-30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 12 26/ 25 4 24/ 23 3 22/ 21 3.9 2.5 4.5 7.4 9.914.113.813.311.6 7.0 6.1 2.6 1.6 930 930 .5 • 5 TOTAL 930 930 Element (X) 930 40.115.076 71.3 8.127 267 F 2 73 F 2 80 F 37303 ± 0 F ± 32 F z 93 F Rel. Hum. 170,387 93 4794331 930 68.5 41.8 14.9 Dry Buib 66345 93 55.9 4.970 44.1 7.536 51952 930 1.0 2925106 93 930 5,6 Dew Paint 1863903 41041

# PSYCHROMETRIC SUMMARY

| 4112<br>STATION         | _               | MA            | L <u>MS I</u> | RUM   | AF B  | MT/G         | REAT          | FAL     | LS       |             | 6.4-    | 77       |         |         | YE      | ARS     | -        | <del></del> - | <del></del> - |              | JU                                               | ITH             |
|-------------------------|-----------------|---------------|---------------|-------|-------|--------------|---------------|---------|----------|-------------|---------|----------|---------|---------|---------|---------|----------|---------------|---------------|--------------|--------------------------------------------------|-----------------|
|                         |                 |               |               |       |       |              |               |         |          |             |         |          |         |         |         |         |          |               | PAGE          | 1            | 1200-                                            | 140<br>. 5. T.I |
| Temp.                   |                 |               |               |       |       |              |               |         | TEMPER   |             |         |          |         |         |         |         |          |               | TOTAL         |              | TOTAL                                            |                 |
| (F)                     |                 | 0             | 1 - 2         | 3 - 4 | 5 - 6 | 7 - 8        | 9 - 10        | 11 - 12 | 13 - 14  | 15 - 16     | 17 - 18 | 19 - 20  | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30  | ≥ 31          | D.B./W.B.     |              | Wet Bulb                                         | Dew P           |
| 00/9                    |                 |               |               |       |       | i            | !!            |         |          |             |         |          |         |         |         |         |          | •2            | 2             | 2            |                                                  |                 |
| 98/ 9                   |                 | !             |               |       |       | <u> </u>     | <u> </u>      |         |          |             |         |          |         |         |         |         |          | •2            | 2             | 2            |                                                  |                 |
| 96/ 9                   |                 |               |               |       |       |              | l l           |         |          |             |         | ļ        |         |         |         |         |          | •8            | 7             | 7            |                                                  |                 |
| 94/ 9                   |                 |               |               |       |       | ļ            | <u> </u>      |         |          |             |         |          |         |         |         | .1      | . 5      | •6            | 12            | 12           |                                                  |                 |
| 92/ 9                   |                 | !             |               |       |       | ļ            |               |         |          |             |         | _        |         |         | •1      | • 2     | •5       |               | 26            | 26           |                                                  |                 |
| 90/8                    |                 |               | -             |       |       | <u> </u>     |               |         |          |             |         |          | •2      | .5      | •2      | .9      | • 8      | •9            | 33            | 33           |                                                  |                 |
| 88/8                    | •               | Ì             |               |       |       | ł            | i l           |         | •1       |             | • 3     | •2       | • 4     | . 4     | 1.3     | 1.0     | .8       | •9            | 50            | 50           |                                                  |                 |
| <u>86/ 8</u><br>84/ 8   |                 | <del></del>   |               |       |       | <del> </del> |               |         |          |             |         | • 3      | 1.3     | 1.6     | 1.6     | 1.4     | 1.6      | •2            | 76            | 76           |                                                  |                 |
| 82/ 8                   |                 | 1             |               |       |       | !<br>!       | , ,           |         | 2        | • 2<br>• 5  | •2      | .9       | 1.2     | 1.9     | 1.9     | 1.2     | .5       |               | 78            | 78           |                                                  |                 |
| 80/ 7                   | <del>-</del>    | <del>i</del>  |               |       |       | <del> </del> | •1            |         | .2       |             | 1.4     | 1.0      | 2.5     | 1.2     | 1.2     | 466     | .3<br>.5 | 1             | 80            | 80<br>89     |                                                  |                 |
| 78/ 7                   |                 | İ             |               |       | _ 1   | _ 1          | •1            | • 2     | -1       | •6          | 1.5     | 2.4      | 1 4     | 1.2     | •3      | • 4     | • 21     | l             | 89<br>73      | 73           |                                                  |                 |
| 76/ 7                   |                 |               |               |       | • 1   | •1           |               | •1      | .6       |             |         | 1.4      | 1.4     | ,6      |         | •6      |          |               | 86            | 86           |                                                  |                 |
| 74/ 7                   |                 | İ             |               |       | . 1   | .2           |               | .1      | 1.0      |             | 1.4     | 1.8      | 1.1     | .3      | • 4     |         |          |               | 72            | 72           | ,                                                |                 |
| 72/ 7                   |                 |               |               |       | •2    |              |               | .3      |          |             |         |          | •3      | •6      | • 7     |         |          |               | 70            | 70           | 3                                                |                 |
| 70/ 6                   |                 |               |               |       | .1    | i            |               | .4      | 1.1      | 1 . 1       | 1.3     | 4        | .6      | .1      |         |         |          |               | 53            | 53           | 8                                                |                 |
| 68/ 6                   |                 |               |               |       | • 1   |              |               | .5      |          | .3          | .5      | •2       | .3      |         |         |         |          |               | 31            | 31           | 13                                               |                 |
| 66/ 6                   |                 | ;             |               |       | •2    |              | •1            | 5       |          |             | •       | .1       |         |         |         |         |          |               | 19            | 19           | 33                                               |                 |
| 64/ 6                   |                 | i             |               |       | •6    | .4           | •6            | -,5     | •2       | ¥ =         | .2      |          |         |         |         |         |          |               | 25            | 25           | 68                                               |                 |
| 62/ 6                   |                 | ļ             |               | . 1   | •     | .4           | .4            | • •     | . 2      |             |         |          |         |         |         |         |          |               | 10            | 10           | 112                                              | 1               |
| 60/ 5                   |                 |               |               | • 1   | • 2   |              |               | •1      |          |             |         |          |         |         |         |         |          |               | 8             | 8            | 151                                              |                 |
| 58/ 5                   |                 |               |               | • 1   | • 2   | .3           |               | .1      |          | ĺ           |         |          |         |         |         |         |          |               | 7             | 7            | 158                                              |                 |
| 56/ 5                   | 5               |               |               | • 2   | . 2   | ,4           | • 3           | •2      |          |             |         |          |         |         |         |         |          |               | 13            | 13           | 131                                              | 1               |
| 54/5                    |                 |               |               | • 1   | • 1   | <u></u>      | • 2           |         |          |             |         |          |         |         |         |         |          |               | 4             | 4            | 107                                              | 4               |
| 52/ 5                   |                 | l             |               |       | . 1   | • 1          |               |         |          |             |         |          |         |         |         |         |          |               | 2             | 2            | 70                                               | :               |
| 50/ 4                   |                 |               |               |       |       |              |               |         |          |             |         |          |         |         |         |         |          |               | 1             | 1            | 36                                               |                 |
| 48/ 4                   |                 | i             |               |       | • 1   |              |               |         |          |             |         |          |         |         |         |         |          |               | 1             | 1            | 25                                               | •               |
| <u>46/4</u>             |                 |               |               |       |       |              |               |         |          |             |         |          |         |         |         |         |          |               |               |              | 8                                                | _1              |
| 44/ 4                   |                 |               |               |       |       |              |               |         |          |             |         |          |         |         |         |         |          |               |               | j            | 5                                                | 719             |
| 42/ 4                   |                 |               |               |       |       | <u> </u>     |               |         | <u> </u> |             | _       |          |         |         | L       |         |          |               | <u> </u>      |              | 1                                                |                 |
| 40/ 3                   |                 |               |               |       |       | [            |               |         |          |             |         |          |         |         |         |         |          |               |               | l            | ļ                                                | 1               |
| 38/3                    |                 |               |               |       |       |              |               |         |          |             |         |          |         |         |         |         |          |               |               |              |                                                  | 8               |
| 36/ 3                   |                 | }             |               |       | ĺ     | !            |               |         |          |             |         |          |         |         |         |         |          |               |               |              |                                                  | 9               |
| 34/ 3                   | _               |               | Σχ'           |       |       | Z =          | <del></del> _ | 2       |          |             | N- 0:   | <u></u>  |         |         | L       | لسيا    |          |               | لمسيا         |              |                                                  | 4               |
| Element ()<br>Rel. Hum. | <del>'' -</del> | <del></del> - | ~ X ·         |       |       | z x          | - +           | X       |          | -           | No. Ob  | <u>*</u> |         |         |         |         |          |               | Temperati     | ~            | <del>-                                    </del> |                 |
| Dry Bulb                | +               |               |               |       | -     |              |               |         |          | -+-         |         |          | ≤ 0 (   |         | 32 F    | ≥ 67    | F 2      | 73 F          | ≥ 80 F        | ≥ 93 F       |                                                  | otal            |
| Wet Bulb                | +               |               |               |       |       |              |               |         | <u> </u> |             |         |          |         | !-      |         |         |          |               | <u> </u>      | <del> </del> |                                                  |                 |
| Dew Paint               |                 |               |               |       |       |              |               |         |          | <del></del> |         |          |         |         |         |         |          |               |               | +            |                                                  |                 |

M 0.26-5 (OL A) REVISED MERVIOUS EDITIONS OF THIS FOLL

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TAC FORM 0.26.5

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#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.C. W.B. Dry Bulb Wer Bulb Dew Point (F) 1 - 2 | 3 - 4 23 32/ 31 30/ 29 10 26 28/ 27 23 26/ 25 24/ 23 6 2 20/ 19 930 930 .8 2.6 3.2 3.0 3.2 5.8 8.511.711.912.7 9.5 8.4 7.0 5.6 6.1 TOTAL 930 930 No. Obs. Element (X) Mean No. of Hours with Temperature 31,513,873 77,6 8,605 57,4 4,849 930 Rel. Hum. # 0 F 1 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 1100959 29285 930 Dry Bulb 5670892 72180 84.0 53355 930 Wet Bulb 3082873 Dew Point 930 39778 1763174

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# PSYCHROMETRIC SUMMARY

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION STATION NAME

PAGE 1 1500-170

PAGE 1 1500-1700

| Temp        |   |              |       |          |          | WET      | BULB     | TEMPER  | ATURE    | DEPRE    | SSION ( | F)       |          |                |          |          |              | TOTAL      |             | TOTAL    |             |
|-------------|---|--------------|-------|----------|----------|----------|----------|---------|----------|----------|---------|----------|----------|----------------|----------|----------|--------------|------------|-------------|----------|-------------|
| (F)         | 0 | 1 - 2        | 3 - 4 | 5 - 6    | 7 - 8    | 9 - 10   | 11 - 12  | 13 - 14 | 15 - 16  | 17 - 18  | 19 - 20 | 21 - 22  | 23 - 24  | 25 - 26        | 27 - 28  | 29 - 30  | > 31         | D.B./W.B.  | Dry Bulb    | Wet Bulb | Dew Point   |
| 104/103     |   |              |       |          |          |          |          |         |          |          |         |          |          |                |          |          | • 3          | 3          | 3           |          |             |
| 100/ 99     |   |              |       |          |          |          |          | l       |          | <u> </u> |         |          |          | <u> </u>       | <u> </u> |          | • 1          | 1          | 1           |          |             |
| 98/ 97      |   |              |       |          |          |          |          |         |          | i        |         |          |          |                |          |          | • 1          | 1          | 1           |          |             |
| 96/ 95      |   |              |       |          |          |          |          |         |          |          |         |          |          |                |          |          | 1.2          | 11         | 11          | <u> </u> | <u> </u>    |
| 94/ 93      |   | į            |       |          |          |          |          |         |          |          |         | [        |          | 1              |          |          | 2.7          | 25         | 25          |          |             |
| 92/ 91      |   |              |       |          |          |          |          |         |          | İ        |         |          |          | • 5            |          | , 9      | 2.9          | 45         | 45          |          | ļ           |
| 90/ 89      |   |              |       |          |          |          |          | ĺ       |          | .2       | . 1     | • 1      |          | 1,3            | 1.3      | 1.4      | 1.8          | 58         | 58          |          |             |
| 88/87       | , |              |       |          |          |          |          |         |          | .1       |         | . 5      | .5       | 1.9            | 1.4      | 1.2      |              | 77         | 77          |          | <u> </u>    |
| 86/ 85      |   |              |       |          |          |          |          |         | .1       |          | .4      | . 8      | 1.3      | 1,9            | 1.3      | 1.3      | 1.0          | 79         | 79          |          | 1           |
| 84/83       |   |              |       |          |          |          | , 2      | l       | <u> </u> | .5       | .9      | 1.2      | 2,0      | 1,5            |          | , 5      |              | 84         | 84          |          | ļ           |
| 82/81       |   |              |       |          | .1       | • 1      |          | .1      | .1       | .6       | 1.0     | 1.8      | 1.6      | 1.2            | .8       | 1.0      | • 3          | 81         | 81          | 1        |             |
| 80/ 79      |   |              |       | .1       | , î      |          | •1       | .3      |          | .4       | 1.8     | 1.9      | 1.0      | 1.6            | 1.2      | . 4      |              |            | 90          |          | ļ           |
| 78/ 77      |   |              |       |          |          |          | .1       | • 1     | .6       |          | 2.0     | 2.2      | ,9       |                |          | • 2      | 티            | 77         | 77          |          | 1           |
| 76/ 75      |   |              |       |          |          |          |          | , 3     | 1.0      | 2.0      | 1.5     | 1.5      | ,6       | . 8            |          |          |              | 72         | 72          |          |             |
| 74/ 73      |   | 1            |       | • 1      | •1       | l        | •1       | • 9     | .6       |          |         | -6       | ,2       | •3             |          |          | 1            | 46         | 46          |          |             |
| 72/ 71      |   | <u> </u>     |       |          | . 5      | •1       | .4       | .3      | .8       | ,9       | ,6      |          | ,3       |                |          |          |              | 38         | 38          |          |             |
| 70/ 69      |   |              |       | •2<br>•2 | •2<br>•3 | •6       | .2       | .6      | 4        | 1.2      | ļ       | •4       | .2       | -              |          | l        | 1            | 39         | 39          |          |             |
| 68/ 67      |   | <u> </u>     |       | • 2      | ,3       | •6       |          |         | .2       | , 5      | • 1     | • 1      |          | <u> </u>       |          |          | J            | 25         | 25          |          | 3           |
| 66/ 65      |   |              |       | . 2      |          | •        | .3       |         | • 1      | . 2      | 1       | [        |          | 1              | 1        |          | 1            | 12         | 12          |          | 2           |
| 64/ 63      |   |              | •1    | • 2      |          | , 5      | . 8      |         | , 3      |          |         | <u> </u> |          | <u> </u>       | ļ        | <u> </u> | <del> </del> | 21         | 21          |          | 2           |
| 62/ 61      |   |              |       | • 1      |          | . 3      |          | .2      |          | .1       | Ĭ       | 1        |          | l              | ]        |          |              | 8          | 8           |          |             |
| 60/ 59      |   |              | • 2   | .3       | .2       | ,2       |          | ļ       | ļ        | <u> </u> |         | <u> </u> |          | <u> </u>       | <u> </u> |          | <u> </u>     | 10         | 10          |          |             |
| 58/ 57      |   |              | -3    | .3       | ,2<br>,2 | • 1      | •1       |         |          | 1        |         |          |          | 1              | 1        |          |              | 10         | 10          |          | 14          |
| 56/ 55      |   | <del> </del> | ļ     |          | • 2      |          |          | L       | <u> </u> | <u> </u> | <u></u> | ļ        | ļ        | <u> </u>       | ļ        |          |              | 6          | 6           |          | 18          |
| 54/ 53      |   | .1           | .]    |          | 1        | , 2      | 1        |         | ŀ        |          |         | l        |          |                | 1        | 1        | 1            | 3          | 3           |          |             |
| 52/ 51      |   |              |       | -1       | <u> </u> | 1        |          |         | <u> </u> | ļ        | ļ       |          |          | ļ              |          |          | <u> </u>     | 2          | 2           |          | 47          |
| 50/ 49      |   | •1           | • 3   |          |          |          |          |         | İ        |          |         |          |          |                | 1        |          |              | 4          | •           | 26       | 51          |
| 48/ 47      |   | <u> </u>     |       |          |          |          |          |         | <u> </u> | ļ        |         | <u> </u> |          | <del> </del>   | <u> </u> | <u> </u> | ļ            | 1          |             | 24       |             |
| 46/ 45      |   | •1           |       |          |          |          |          |         |          |          |         |          |          |                |          |          |              | 1          | 1           | 12       | 88          |
| 44/ 43      |   | ļ            |       |          |          | <u> </u> |          |         | <u> </u> | ļ        | ļ       | ļ        |          | <del> </del> - | <u> </u> | <u> </u> |              |            |             | 3        |             |
| 42/ 41      |   |              |       |          |          |          |          |         |          |          |         |          |          |                |          |          |              |            |             |          | 80          |
| 40/ 39      |   | -            |       |          | ļ        |          | ļ        |         | ļ        | <u> </u> |         | <u> </u> |          | ļ              | ļ        | <u> </u> |              |            |             | ļ        | 78          |
| 38/ 37      |   | 1            |       |          |          |          |          | -       |          | i        |         |          |          |                |          |          | 1            |            |             |          | 71          |
| 36/ 35      |   |              | L     |          | <u></u>  | <u>L</u> | <u> </u> | L       | <u></u>  | <u> </u> | Ļ,      |          | <u> </u> |                | <u></u>  | <u></u>  |              | لـــــا    |             | <u> </u> | 74          |
| Element (X) |   | Σχ²          |       |          | Σχ       |          | X        | .,      |          | No. OI   | 18.     |          |          |                |          |          |              | h Temperat |             |          |             |
| Rel. Hum.   |   |              |       |          |          |          |          | ļ       | _        | <u> </u> |         | 10       | F        | ≤ 32 F         | ≥ 67     | F        | ≥ 73 F       | ≥ 80 F     | <u>▶ 93</u> | F        | Total       |
| Dry Bulb    |   |              |       |          |          | _        |          |         |          |          |         |          |          |                |          | _        |              | <u> </u>   |             |          |             |
| Wet Bulb    |   |              |       |          |          |          |          | ļ       |          |          |         |          |          |                | ļ        |          |              | ļ          |             |          | <del></del> |
| Dew Point   |   |              |       |          |          |          |          | I       |          |          |         |          |          |                | <u> </u> | !_       |              |            |             |          |             |

ETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THE

| DATA | PROCESS         | SING | BRANCH  |  |
|------|-----------------|------|---------|--|
|      | ETAC<br>WEATHER | SERV | TCE/MAC |  |

# PSYCHROMETRIC SUMMARY

| Z4112<br>STATION | MALI     | 15 T | MO.          | AFB   | MT/G     | REAT        | FAL                                              | LS           |              | 68-                                              | 77                                           |              |             | YE      | ARS     |         |              |                                                  |                 | JI       | UL           |
|------------------|----------|------|--------------|-------|----------|-------------|--------------------------------------------------|--------------|--------------|--------------------------------------------------|----------------------------------------------|--------------|-------------|---------|---------|---------|--------------|--------------------------------------------------|-----------------|----------|--------------|
|                  |          |      |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         |              | PAG                                              | E 2             | 1500     | -1700        |
| Temp             | ····     |      |              |       |          | WET         | BULB                                             | TEMPER       | ATURI        | DEPRE                                            | SSION                                        | F)           |             |         |         |         |              | TOTAL                                            | l               | TOTAL    |              |
| (F)              | 0 1      | . 2  | 3 - 4        | 5 - 6 | 7 - 8    |             |                                                  |              |              | 17 - 18                                          |                                              |              | 23 - 24     | 25 - 26 | 27 - 28 | 29 - 30 | <b>≯ 31</b>  | D.B./W.B.                                        | Dry Bulb        | Wet Bulb | Dew Poin     |
| 34/ 33           |          |      |              |       |          |             | <u> </u>                                         |              |              |                                                  |                                              |              |             |         |         |         | 1            | <del>                                     </del> | <u> </u>        |          | 67           |
| 32/ 31           |          |      | - 1          |       | 1        | 1           | ļ                                                |              |              |                                                  |                                              |              |             | i       |         |         | 1            | }                                                | Ì               |          | 33           |
| 30/ 29           |          |      |              |       |          |             |                                                  |              | <u> </u>     | 1                                                | <u> </u>                                     |              |             |         | (       |         | 1            |                                                  |                 |          | 20           |
| 28/ 27           | 1        |      | - 1          |       | 1        |             | 1                                                | 1            |              |                                                  |                                              |              |             |         |         |         | ļ            |                                                  |                 |          | 34           |
| 26/ 25           |          |      |              |       | ·        |             |                                                  |              |              |                                                  |                                              |              |             | i       |         |         | i            |                                                  |                 |          | 17           |
| 24/ 23           |          |      |              |       |          |             | <u> </u>                                         |              |              |                                                  |                                              | <u> </u>     |             |         |         |         |              |                                                  |                 |          |              |
| 22/ 21           |          | l    |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             | _       |         |         |              |                                                  |                 |          | 7            |
| 20/ 19           |          |      |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         |              |                                                  | <u> </u>        |          | 3            |
| 18/ 17           | į        |      |              |       |          | Ì           |                                                  | Ι.           |              |                                                  |                                              |              |             | i _ i   |         |         |              |                                                  |                 |          | 1            |
| TOTAL            |          | • 3  | 1.1          | 1.9   | 2.5      | 3.4         | 2.9                                              | 3.4          | 4.8          | 9.0                                              | 9.6                                          | 11.2         | 8.7         | 12.2    | 8.4     | 6.9     | 13.7         |                                                  | 930             |          | 930          |
| l                | ŀ        |      |              |       |          | <br>        |                                                  | 1            |              |                                                  |                                              |              |             |         |         |         |              | 930                                              | ļ               | 930      |              |
|                  | <u> </u> |      |              |       | <u> </u> |             | ļ                                                |              | <u> </u>     |                                                  | <u> </u>                                     | <b></b>      | ļ           |         |         |         | <u> </u>     | <del> </del> _                                   | <u> </u>        |          |              |
| t                | 1        | 1    |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         |              |                                                  |                 |          | 1            |
|                  |          |      |              |       | <b> </b> |             | ├                                                | <del> </del> |              | <del> </del>                                     |                                              |              |             |         |         |         | <del> </del> | <del> </del>                                     | <b> </b>        |          | <u> </u>     |
| Į                | -        |      | -            |       |          |             |                                                  |              |              | 1                                                |                                              |              |             |         |         |         |              |                                                  |                 |          |              |
|                  |          |      |              |       |          |             | <del> </del>                                     |              |              | ╂                                                | <del> </del>                                 | <del> </del> | <b></b>     |         |         |         | <del> </del> | <del> </del>                                     |                 |          | <del> </del> |
| į                |          | -    |              |       |          |             | 1                                                | ]            |              |                                                  | ĺ                                            |              |             |         |         |         | ĺ            | 1                                                |                 |          |              |
|                  |          |      |              |       |          |             | -                                                | <del> </del> | <del></del>  | <del> </del>                                     |                                              | <del> </del> |             |         |         |         | <del> </del> | <del></del>                                      | <del> </del>    | <u> </u> | <del> </del> |
| - 1              | - 1      | - 1  | - 1          |       |          |             | 1                                                | ĺ            |              | 1                                                | İ                                            | l            |             |         |         |         | [            | 1                                                | i               |          |              |
|                  |          |      |              |       |          |             | <del>                                     </del> |              |              | <del>                                     </del> |                                              |              |             |         |         |         |              | <del>                                     </del> | <del></del>     |          |              |
| į                |          |      |              |       | 1        |             |                                                  |              | •            |                                                  |                                              |              |             | i       |         |         |              | 1                                                |                 |          |              |
|                  |          |      |              |       |          |             | 1                                                |              |              |                                                  |                                              | l            |             |         |         |         | <del> </del> | <del> </del>                                     | i               |          | <u> </u>     |
|                  | į        |      |              |       | ļ        |             | 1                                                | 1            |              |                                                  | ļ                                            | 1            |             |         |         |         |              |                                                  |                 |          |              |
|                  |          |      |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         |              |                                                  |                 |          |              |
|                  |          |      |              |       | <u> </u> |             |                                                  |              | İ            | i                                                |                                              |              |             | Ì       |         |         | ĺ            | 1                                                |                 |          |              |
|                  | i        |      |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         | 1            |                                                  |                 |          |              |
|                  |          |      |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         |              |                                                  |                 |          | L            |
| ľ                | 1        |      | İ            |       |          |             | ,                                                |              |              |                                                  |                                              |              |             |         |         |         |              |                                                  |                 |          |              |
| <del></del>      |          |      |              |       |          |             | <u> </u>                                         |              | ļ            | <u> </u>                                         |                                              | <u> </u>     |             |         |         |         |              |                                                  |                 |          |              |
| ł                | 1        |      |              |       |          | }           | 1                                                |              | ł            |                                                  | }                                            | l            |             |         |         |         |              |                                                  | 1               |          |              |
|                  | _        |      |              |       | ļ        | ļ           | <del> </del>                                     |              | <b></b>      | ļ                                                | <u>                                     </u> | <u> </u>     | <u> </u>    |         |         |         |              |                                                  | <u> </u>        |          | <u> </u>     |
| 1                |          | - 1  |              |       |          |             |                                                  |              |              |                                                  |                                              |              |             |         |         |         | ,            |                                                  |                 |          | 1            |
| E1 .785          |          |      |              |       | <u> </u> | <del></del> | <u> </u>                                         | <u> </u>     | <u></u> _    | <u> </u>                                         | <u> </u>                                     | <u> </u>     |             | L       | لحبيا   |         | <u> </u>     | <u> </u>                                         | <u> </u>        | <u> </u> | <u> </u>     |
| Rel. Hum.        | Σ        | ·    | ****         |       | 2 X      | 21          | X                                                | * K          |              | No. Ob                                           |                                              |              |             |         |         |         |              | h Tempere                                        |                 |          | T !          |
| Dry Bulb         |          |      | 7039<br>0982 |       | 740      | 20          | 70 4                                             | 9.0          | ᄊ            |                                                  | 30<br>30                                     | ± 0          |             | 32 F    | 85      |         | 73 F         | > 80 F                                           | 7 ≥ 93 1        |          | Total<br>93  |
| Wet Bulb         |          |      | 5587         |       | 534      |             | 17.0                                             | 4,8          | <del>7</del> |                                                  | 30                                           |              | <del></del> |         |         |         | 75.0         |                                                  | <del>'  3</del> | • 1      | 93           |
| Dew Point        |          |      | 9385         |       | 387      |             |                                                  | 8.5          |              |                                                  | 30                                           |              | -+-         | 12.2    |         | -1      |              | <del> </del>                                     |                 |          | 93           |
|                  |          | 101  | , 502        |       | 20       | Y#          | 7495                                             |              | 7 V          | 7                                                | 20                                           |              |             | 1616    | L       | • 6     |              | L                                                |                 |          | 79           |

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

24112 MALMSTRUM AFB

#### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS 68-77 STATION NAME 1800-2000 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | **≥** 31 102/101 98/ 97 3 96/ 95 • 3 94/ 93 92/ 91 • 3 3 3 25 90/ 89 . 8 37 1.1 37 1.0 .6 88/ 87 38 86/ 85 •₿ •6 38 61 84/ 83 .3 1.3 61 1.0 1.0 •9 81 81 82/ 81 . 3 • 3 .3 80 1.2 •9 80 80/ 79 . 1 2.4 1.4 . 8 1.3 1.0 77 77 1.3 78/ 77 1.6 .6 1.0 1.6 84 84 1.0 76/ 75 2.4 1.3 90 90 2.0 2.0 .6 74/ 73 1.8 75 75 72/ 71 • 3 .6 1.5 1.0 1.4 •6 . 8 . 1 61 70/ 69 1.0 61 • 9 . 9 ,5 9 . 8 , 3 • 3 50 3 50 68/ 67 36 36 66/ 65 .6 3 1.0 .6 45 45 39 64/ 63 23 23 62/61 88 10 158 ÌŪ 10 60/ 59 • 4 146 58/ 57 15 15 Ž0 15: 37 56/ 55 • 3 . 1 10 10 28 8 8 54/ 53 5 5 89 46 52/ 51 <u> 54</u> 50/ 49 90 29 48/ 47 2 . 2 46/ 45 2 2 79 44/ 43 63 42/ 41 68 40/ 39 69 38/ 37 51 36/ 35 34/ 33 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 10F ≤ 32 F Dry Bulb Wet Bulb

FORM 0-26-5 (O.L.A.) PRINTED INEVIOUS EDITIONS OF THIS FORM AN

Dew Point

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# **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION STATION NAME YEARS

JUL
MONTH

PAGE 2 1800-2000 HOURS (L. S. T.)

| Wet Bulb<br>Dew Point |   |              | 7279  |             | 524<br>395 |          | 56.4         | 4.9          | 10                                               | · 9                                              | 30           |              | 1       | 12.8          | - 4            | •0<br>•6 |           |                    | <del></del>         | 1.             | 9                                      |
|-----------------------|---|--------------|-------|-------------|------------|----------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|---------|---------------|----------------|----------|-----------|--------------------|---------------------|----------------|----------------------------------------|
| Dry Bulb              |   | 526          | 9286  |             | 695        | 24       | 74.8         | 8.7          | 96                                               |                                                  | 36           |              |         |               | 77,            |          | 58.6      | 29.                | 5 - 1               | •0             | 9                                      |
| Rel. Hum.             |   | 140          | 4327  |             | 325        | 49       | 35.0<br>74.8 | 16.8         |                                                  | 9                                                | 30_          | 1:0          | F i     | 32 F          | ≥ 67°          | F        | 73 F      | 2 80 F             | ≥ 93                |                | Total                                  |
| Element (X)           |   | Z X'         | L     |             | ZX         | <u> </u> | X            | <b>₹</b> x   |                                                  | No. OL                                           | 5.           | <b>L</b>     | L       | L             | Mean N         | o. of H  | ours with | Temperat           | ute                 | L              | ــــــــــــــــــــــــــــــــــــــ |
|                       |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              |         |               |                |          |           |                    |                     |                |                                        |
|                       |   |              |       |             |            |          | ļ            |              | ļ <u> </u>                                       |                                                  |              | <u> </u>     |         | <u>  </u>     |                |          |           |                    |                     |                | <del>  `</del>                         |
|                       |   |              |       |             |            |          | <b>T</b>     |              |                                                  |                                                  | <u> </u>     |              |         |               |                |          |           |                    |                     |                | 1                                      |
| 1                     |   |              |       |             |            |          |              |              |                                                  |                                                  | ]            |              |         |               |                |          |           |                    |                     |                |                                        |
|                       |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              |         |               |                |          |           |                    |                     |                | <del> </del>                           |
| <del></del>           |   |              |       | <del></del> |            |          | <del> </del> |              |                                                  | <del>                                     </del> | <b> </b>     | <del> </del> |         | <del>  </del> | $\neg \dagger$ |          |           |                    |                     |                | 1                                      |
|                       |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              | `.      |               |                |          |           |                    |                     |                |                                        |
|                       |   |              |       | <u> </u>    |            |          | ļ            |              |                                                  |                                                  |              |              |         |               |                |          |           |                    |                     |                | <del>  </del>                          |
|                       |   | <del> </del> |       |             |            |          |              | <del> </del> | <del> </del>                                     | <del> </del>                                     | <del> </del> | <b></b>      |         |               |                |          |           |                    |                     | <del> </del> - | 1-                                     |
| İ                     |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              |         |               | ļ              |          |           |                    |                     |                |                                        |
|                       |   | ļ            |       |             |            |          |              |              |                                                  | <u> </u>                                         |              |              |         | <u> </u>      |                |          |           |                    |                     |                |                                        |
|                       |   |              |       |             |            |          |              |              | <del> </del>                                     | <del> </del>                                     | <del> </del> |              |         |               |                |          |           |                    |                     |                | +-                                     |
|                       |   |              |       |             |            |          |              |              |                                                  |                                                  | ļ .          |              |         |               | ł              |          |           |                    |                     |                |                                        |
|                       |   |              |       |             |            |          | <u> </u>     |              |                                                  |                                                  |              |              |         | <u> </u>      |                |          |           |                    |                     |                | <u> </u>                               |
|                       |   |              |       |             |            |          | -            |              | -                                                | <u> </u>                                         | <del></del>  |              |         |               |                |          |           |                    |                     | <del></del>    | $\vdash$                               |
|                       |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              |         |               |                |          |           |                    |                     |                |                                        |
| ļ                     |   |              |       |             |            |          |              |              |                                                  | <b> </b>                                         |              |              |         |               |                |          |           | 7,50               |                     | 730            |                                        |
| DTAL                  |   | . 9          | 2.4   | 3.0         | 3.9        | 6.2      | 4.7          | 8.4          | 10.9                                             | 10.2                                             | 10.6         | 9.8          | 7.8     | 7.2           | 5.2            | 3.8      | 5.1       | 930                | 930                 | 930            | 93                                     |
| 16/ 15                |   |              |       |             |            |          |              |              | <del>                                     </del> | <del>                                     </del> |              |              |         |               |                |          |           |                    |                     |                | †                                      |
| 20/ 19<br>18/ 17      |   |              |       |             |            |          |              |              |                                                  |                                                  | ĺ            |              |         |               | l              |          |           |                    |                     | ĺ              |                                        |
| 22/ 21                |   |              |       |             |            |          |              |              |                                                  | ļ                                                |              |              |         |               |                | ·        |           |                    |                     |                |                                        |
| 24/ 23                |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              |         |               |                |          |           |                    |                     | l              | 1 -                                    |
| 28/ 27<br>26/ 25      |   |              |       |             |            |          |              |              | ļ                                                | <u> </u><br>                                     |              |              |         |               | }              |          |           |                    |                     |                | 3                                      |
| 30/ 29                |   |              |       |             |            |          |              |              |                                                  |                                                  |              |              |         |               |                |          |           |                    |                     |                | 2                                      |
| 32/ 31                |   | 1:2          | 3.4   | -3.0        | 7 - 3      | 7 - 10   | 11 - 12      | 13 - 14      | 13.10                                            | 17 . 18                                          | 17 - 20      | 21 - 22      | 23 - 24 | 23 - 26       | 27 - 28        | 27 - 30  | -31       |                    | <del>0., 00.0</del> | WG. 5012       | 3                                      |
| Temp<br>(F)           | 0 | 1 - 2        | 3 - 4 | 5 - 6       | 7 - 8      |          | BULB 1       |              |                                                  |                                                  |              |              | 23 - 24 | 25 - 24       | 27 . 28        | 29 . 20  | » 31      | TOTAL<br>D.B./W.B. | Dry Bulh            | TOTAL          |                                        |

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Element (X) Rel. Hum.

Dry Bulb Wet Bulb

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

MALMSTROM AFB MT/GREAT FALLS 2100-2300 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 26 29 - 30 96/ 95 88/ 87 86/ 85 82/81 15 15 ,3 ,2 80/ 79 •1 13 13 78/ 77 21 51 21 76/ 72 51 74/ 73 .6 57 57 72/ 71 1.8 . 8 84 70/ 69 4.2 2.5 114 114 68/ 67 100 100 66/ 65 102 102 2.5 64/ 63 84 84 16 62/61 72 72 59 .6 60/ 59 . 2 99 58/ 57 64 64 27 50 50 56/ 55 149 34 41 41 44 72 20 20 139 52/ 51 14 50/ 49 86 92 10 10 91 .3 48/ 47 • 4 . 1 1<u>22</u> 90 54 46/ 45 44/ 43 35 88 42/ 41 40/ 39 11 68 38/ 37 60 65 36/ 35 37 34/ 33 21 32/ 31 30/ 29 20 28/ 27 26/ 25 24/ 23 13

No. Obs.

± 0 F

1 32 F

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USAFETAC

#### **PSYCHROMETRIC SUMMARY**

| 24112   | MALMSTRUM AFB MT/GREAT FALLS | 68-77  |          |
|---------|------------------------------|--------|----------|
| STATION | STATION NAME                 | YEARS  | MONTH    |
|         |                              | PAGE 2 | 2100-230 |

2100-2300 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 20/ 19 18/ 17 930 930 7.6 8.910.513.116.112.412.2 7.4 4.0 2.9 1.2 .2 TOTAL 930 930 No. Obs. Meen No. of Hours with Temperature Element (X) Zx' 2484797 3865631 48.817.127 64.1 7.304 45359 59573 930 ± 0 F 1 32 F ≥ 67 F ≥ 73 F Rel. Hum. 10.8 36.3 930 Dry Bulb 52.6 5.102 42.8 8.003 48876 2592854 930 Wet Bulb 1761143

# **PSYCHROMETRIC SUMMARY**

| STATION        | - 112        | LMSI        |          | ST           | ATION NA       | ME     |     |         |            | 00-      | <u> </u>                                         | **         |          | YE       | ARS      |              |       |                    |                     | MOI               | HTH                                              |
|----------------|--------------|-------------|----------|--------------|----------------|--------|-----|---------|------------|----------|--------------------------------------------------|------------|----------|----------|----------|--------------|-------|--------------------|---------------------|-------------------|--------------------------------------------------|
|                |              |             |          |              |                |        |     |         |            |          |                                                  |            |          |          |          |              |       | PAGE               | 1                   | Al                |                                                  |
|                |              |             |          |              |                |        |     |         |            |          |                                                  |            |          |          |          |              |       |                    |                     | HOURS (           | L. 5. T.                                         |
| Temp<br>(F)    | 0            | 1 - 2       | 3 - 4    | 5 - 6        | 7 . 8          | 9 - 10 |     |         |            |          | 5510N (                                          |            | 23 - 24  | 25 . 26  | 27 . 28  | 29 . 30      | × 31  | TOTAL<br>D.B./W.B. | Dry Bulb            | TOTAL<br>Wer Bulb | Dew P                                            |
| 04/103         |              |             |          |              | , ,            | 7-10   |     | .3 - 14 | 13 - 10    | 17 - 10  | 17.120                                           |            |          |          |          |              | •0    | 3                  | 3                   |                   |                                                  |
| 2/101          |              |             |          |              |                |        |     |         |            |          |                                                  |            |          |          |          |              | •0    | 1                  |                     |                   |                                                  |
| 00/ 99         |              |             |          |              |                |        |     |         |            |          |                                                  |            |          |          |          |              | •0    | 3 4                | 3                   |                   |                                                  |
| 6/ 95          |              |             |          |              | h              |        |     |         |            |          |                                                  |            |          |          |          |              | •3    | 22                 | 22                  |                   |                                                  |
| 4/ 93          |              |             |          |              |                |        |     |         |            |          |                                                  |            |          |          | •0       | .1           | • 5   | 44                 | 44                  |                   |                                                  |
| 2/ 91          |              |             |          |              |                |        |     |         |            |          |                                                  |            |          | • 1      | • 1      | .2           | •6    | 75                 | 75                  |                   |                                                  |
| 0/ 89          |              |             |          |              |                |        |     |         |            | 0        |                                                  | •0         | -1       | 3        | .3       | .3           | •6    | 123                | 123                 |                   |                                                  |
| 8/ 87          |              |             |          |              |                |        |     | •0      |            | • 1      | •0                                               | •1         | • 2      | • 6      | • 4      | • 4          | •6    | 180                | 180                 |                   |                                                  |
| 6/ 85          |              | -           |          |              |                |        |     |         | _ <u>•</u> | e.       | -1                                               | • 3        | . 4      | •6       | .5       | .5           | • 2   | 205                | 205<br>250          |                   |                                                  |
| 4/ 83<br>2/ 81 |              |             |          |              | ٠٥             | •0     | •0  | . 1     | • 1        | .1       |                                                  | •4         | .8<br>.8 | •6<br>•5 | •6<br>•4 | •2<br>•3     | •2    | 303                | 303                 |                   |                                                  |
| 0/ 79          |              |             |          | •0           | •0             | • 1    | •1  | • 1     | • 3        |          | 1.1                                              | 1.0        | .6       | •5       | • 3      | •2           | •0    | 354                | 354                 |                   | <del>                                     </del> |
| 8/ 77          |              |             |          | •0           | .0             | 1      | .1  | . 2     | .4         | . 8      |                                                  | • 9        | . 5      | .4       | .1       | •0           |       | 322                | 322                 |                   |                                                  |
| 6/ 75          |              |             | •0       |              | .1             | • 0    | •1  | . 3     | .9         |          |                                                  | •7         | •3       | •3       |          | •0           |       | 362                | 362                 |                   |                                                  |
| 4/ 73          |              |             | •0       |              | • 1            | •1     | .2  | . 8     | 1.1        | 1.1      | .8                                               | • 5        | • 2      | -1       | •0       |              |       | 376                | 376                 | 5                 |                                                  |
| 2/ 71          |              |             | •0       |              | • 2            | • 2    | •6  | •9      | 1.2        |          |                                                  | • 2        |          | •0       |          |              |       | 396                | 396                 | 14                |                                                  |
| 0/ 69          |              | .0          | • }      | • 1          | 9 1            | . 5    | 1.6 | 13      | . 9        | 1.0      |                                                  | .3         | • 1      |          |          |              |       | 402                | 402<br>450          | 23<br>43          |                                                  |
| 8/ 67<br>6/ 65 |              | • 1         | •1<br>•1 | .1<br>.3     | •6             | • 8    | 1.4 | 1.2     | • 9        | •5<br>•3 |                                                  | • 1        |          |          |          |              |       | 408                | 408                 | 122               |                                                  |
| 4/ 63          |              | •0          | .3       |              | .8             | 1,7    | 1.4 | 1.0     | •5         |          |                                                  |            |          |          |          |              |       | 481                | 481                 | 239               | -                                                |
| 2/ 61          |              | .2          | .4       | .6           | 1.2            | 1.4    | 1.0 | .6      | .4         | .1       | .0                                               |            |          |          |          |              | _     | 437                | 437                 | 447               |                                                  |
| 0/ 59          |              | .2          | • 5      | 1.0          |                | 1.4    | • 6 | . 2     | •1         |          |                                                  |            |          |          |          |              |       | 418                | 419                 | 754               |                                                  |
| 8/ 57          |              | .4          | .7       |              | 1.3            | 1.3    | -4  | . 2     | -,1        | •0       |                                                  |            |          |          |          |              |       | 416                | 416                 | 875               | 1                                                |
| 6/ 55          |              | • 4         | .9       |              | 1.4            | 1.0    | • 3 | • 1     | •0         |          |                                                  |            |          |          |          |              |       | 411                | 411                 | 976               | 1                                                |
| 4/ 53          |              | . 4         | .9       |              | lel.           | • 8    | •2  | .0      |            |          | <del> </del>                                     |            |          |          |          |              |       | -345               | 345<br>212          | 968               | 3                                                |
| 2/ 51<br>0/ 49 |              | • 2         | • 7      |              |                | • 3    | •0  | •0      |            |          |                                                  |            |          |          |          |              |       | 212<br>137         | 137                 | 881<br>658        | 5                                                |
| 8/ 47          |              | .3          | • 5      |              |                | 11     | •0  |         |            |          | <del>                                     </del> |            |          |          |          |              |       | 107                | 107                 | 550               | 6                                                |
| 6/ 45          |              | 3           |          |              | 4              | , i    | .0  |         |            |          | l                                                |            |          |          |          |              |       | 98                 | 98                  | 412               | 9                                                |
| 4/ 43          |              | •2          |          | •2           |                | •1     |     |         |            |          |                                                  |            |          |          |          |              |       | 49                 | 49                  | 191               | 8                                                |
| 2/ 41          |              |             | •1       | .1           |                | -0     |     |         |            |          |                                                  |            |          |          |          |              |       | 27                 | 27                  | 118               | 7                                                |
| 0/ 39          |              | • 1         | • 1      | •0           | •0             | Ì      |     |         |            |          |                                                  |            |          |          |          |              | ]     | 15                 | 15                  | 75                | ,6                                               |
| 8/ 37          |              | <del></del> | -0       |              | <u> </u>       |        |     |         |            | L        | <u></u>                                          |            |          |          | M N      | 6 M          |       | 2                  |                     | 50                | 5                                                |
| ement (X)      | <del> </del> | ΣX,         |          |              | z <sub>X</sub> |        | X   |         |            | No. Ol   | )5.                                              | <b>±</b> 0 | <u> </u> | 32 F     | Meen F   | <del></del>  | 73 F  | + Temperet         | 4 93                | -                 | Total                                            |
| y Bulb         |              |             |          | <del> </del> |                |        |     |         |            |          |                                                  | - 2 0      | <u> </u> | . 32 -   | - 3/     | <del>`</del> | ,,, r |                    | <del>  - 73  </del> | <del>' </del>     | - 0101                                           |
| et Bulb        |              |             |          | <del> </del> | <del></del>    |        |     |         |            |          |                                                  |            | -        |          |          | $\dashv$     |       |                    | 1                   |                   |                                                  |
| ew Point       |              |             |          | <del></del>  |                |        |     |         |            |          |                                                  |            |          |          |          | +            |       | <del> </del>       |                     |                   |                                                  |

by 0.26-5 (OLA) revised retinous of this form are osso

TAC 10th 0.26-5

## **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA | LHST           | ROM          | AFB          | MT/G                                             | REAT                                             | FAL          | LŞ           |              | 68-            | 77           |              |                                                  |                                                  | ARS                                              |                                                  |              |                                                  |                | ال                                                | UL                                               |
|------------------|----|----------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|----------------|---------------------------------------------------|--------------------------------------------------|
| 2141104          |    |                |              | •            |                                                  | AME                                              |              |              |              |                |              |              |                                                  | ,,                                               | ANS                                              |                                                  |              | PAGI                                             | E 2            |                                                   | LL<br>L. S. T.)                                  |
| Temp             |    |                |              |              |                                                  | WET                                              | BULB         | EMPER        | ATURE        | DEPRE          | SSION (      | F)           |                                                  |                                                  |                                                  |                                                  |              | TOTAL                                            |                | TOTAL                                             |                                                  |
| (F)              | 0  | 1 . 2          | 3 - 4        | 5 - 6        | 7 - 8                                            | 9 - 10                                           | 11 - 12      | 13 - 14      | 15 - 16      | 17 - 18        | 19 - 20      | 21 - 22      | 23 - 24                                          | 25 - 26                                          | 27 - 28                                          | 29 - 30                                          | <b>2</b> 31  | D.B./W.B.                                        | Dry Bulb       | Wet Bulb                                          | Dew Por                                          |
| 36/ 35           |    |                | •0           |              |                                                  |                                                  |              |              |              |                |              |              |                                                  |                                                  |                                                  |                                                  |              | 1                                                | 1              | 24                                                | 438                                              |
| 34/ 33           |    | 1              |              |              | l                                                |                                                  |              |              |              |                |              |              | ļ                                                |                                                  |                                                  |                                                  |              |                                                  |                | 12                                                | 342                                              |
| 32/ 31           |    |                | Ī            |              |                                                  |                                                  |              |              |              |                |              |              |                                                  |                                                  |                                                  |                                                  |              |                                                  |                | 2                                                 |                                                  |
| 30/ 29           |    | <u> </u>       |              |              |                                                  |                                                  | <u> </u>     |              |              | <u> </u>       |              |              |                                                  |                                                  |                                                  |                                                  |              |                                                  |                |                                                   | 176                                              |
| 28/ 27           |    |                |              | İ            | !                                                | 1                                                |              |              |              | 1              |              | ļ            | }                                                |                                                  |                                                  |                                                  | İ            | 1                                                |                | 1                                                 | 186                                              |
| 26/ 25           |    | <u> </u>       |              |              |                                                  |                                                  |              |              |              | <u> </u>       |              |              |                                                  |                                                  |                                                  |                                                  |              |                                                  |                |                                                   | 89                                               |
| 24/ 23           |    | 1              | ł            |              | ł                                                | l                                                |              |              | 1            | i              | İ            |              | l                                                |                                                  | l                                                |                                                  | ļ            |                                                  |                |                                                   | 28                                               |
| 22/ 21           |    |                |              |              |                                                  |                                                  |              |              |              | <u> </u>       |              | <u> </u>     |                                                  |                                                  |                                                  | <u> </u>                                         |              |                                                  |                |                                                   | 34                                               |
| 20/ 19           |    |                | 1            | ]            | l                                                | Ì                                                | i i          |              | l<br>i       | i              |              |              | 1                                                |                                                  |                                                  |                                                  |              |                                                  | į l            | ĺ                                                 | 19                                               |
| 18/ 17           |    | <u> </u>       | <u> </u>     |              | <u> </u>                                         | <u> </u>                                         |              |              |              | <u> </u>       | ļ            | ļ            |                                                  |                                                  | ļ                                                |                                                  |              | ļ                                                |                | <u> </u>                                          |                                                  |
| 16/ 15           |    | ١              | ١            | ļ            |                                                  |                                                  | امما         |              |              |                | _            |              | ١. ۾                                             |                                                  | ١                                                | ١.,                                              |              |                                                  |                | 1                                                 | 7,70                                             |
| TOTAL            |    | 3.1            | 6.1          | 8.7          | 10.0                                             | 11.0                                             | 8.9          | 8.0          | 7.9          | 7.3            | 6.2          | 5.5          | 4.2                                              | 3,4                                              | 2.8                                              | 2.1                                              | 3.2          | 7439                                             | 7440           | 7439                                              | 7439                                             |
|                  |    |                | İ            |              | [                                                |                                                  |              |              | 1            |                |              | 1            | ļ                                                | İ '                                              |                                                  | l                                                |              | 1439                                             |                | 1737                                              |                                                  |
|                  |    | <del> </del> - | <del> </del> | i            | <del> </del>                                     | <u> </u>                                         |              |              |              | <b></b>        | <u> </u>     | <b> </b> -   |                                                  | <b> </b> -                                       | <b> </b>                                         |                                                  | <b> </b> -   |                                                  | <b> </b>       | <del> </del>                                      | <del> </del>                                     |
|                  |    | 1              |              | <u> </u>     |                                                  |                                                  |              |              | 1            | 1              |              | 1            |                                                  |                                                  |                                                  | <br>                                             |              |                                                  |                |                                                   | 1                                                |
|                  |    | <del> </del>   |              | <b></b> -    | ļ                                                | <del> </del>                                     | -            |              |              |                | <u> </u>     | <b></b>      |                                                  | <u> </u> -                                       | <del> </del>                                     | <del> </del>                                     | <del> </del> | <del> </del>                                     |                | <del> </del>                                      | <del> </del>                                     |
|                  |    |                | ł            |              | i .                                              | 1                                                |              |              | İ            |                |              | •            |                                                  |                                                  |                                                  | 1                                                |              |                                                  |                | ĺ                                                 | ļ                                                |
|                  |    | <del> </del>   |              |              |                                                  | <del> </del>                                     |              |              |              | <del> </del>   | <u> </u>     |              |                                                  | <b> </b>                                         | <del> </del>                                     |                                                  | -            | ├                                                |                | <del></del>                                       | <del>                                     </del> |
|                  |    |                | l            |              |                                                  |                                                  | ]            |              |              | 1              |              |              | 1                                                |                                                  |                                                  |                                                  | i            | Į                                                | ļ !            | !                                                 | }                                                |
|                  |    |                |              | <del> </del> |                                                  | <del> </del>                                     |              |              | <del> </del> | <del> </del>   |              | <del> </del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |              | <del></del>                                      | <b> </b>       | <del> </del>                                      | <del> </del>                                     |
|                  |    | 1              |              |              | Ì                                                |                                                  |              |              | ]            | 1              |              |              | İ                                                | ł                                                | 1                                                | 1                                                |              | 1                                                |                |                                                   | 1                                                |
|                  |    | <del> </del>   |              |              | <del> </del>                                     | <del> </del>                                     | ļ            |              | ├            | <del>}</del>   | <b> </b>     | <del> </del> |                                                  |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del> |                                                  |                |                                                   | <del> </del>                                     |
|                  |    | l              |              |              | ļ                                                | 1                                                |              |              |              | 1              |              |              |                                                  |                                                  |                                                  | İ                                                | ĺ            |                                                  |                |                                                   |                                                  |
|                  |    | <del> </del>   | <u> </u>     |              |                                                  | <del>                                     </del> |              | ļ            |              | <del> </del>   | <del> </del> | <del> </del> | ├                                                | <del> </del> -                                   | <del> </del>                                     |                                                  | <del> </del> | <del> </del>                                     |                |                                                   | <del> </del>                                     |
|                  |    | j              | 1            |              | !                                                | l                                                |              |              |              | 1              |              |              | 1                                                |                                                  | ŀ                                                |                                                  |              |                                                  |                | 1                                                 | 1                                                |
|                  |    | <del> </del>   | <del> </del> | <del> </del> | <del> </del>                                     | ├─-                                              | <del> </del> | <del> </del> |              | <del> </del>   |              |              | <del> </del>                                     |                                                  |                                                  | ·                                                | <del></del>  | <del> </del>                                     |                | <del> </del>                                      | <del> </del>                                     |
|                  |    |                | İ            | !            | l                                                | ]                                                | •            | 7.           | ٠            | <b>\</b>       |              | ļ            | ļ                                                |                                                  |                                                  |                                                  |              | 1                                                |                | i                                                 |                                                  |
|                  |    | 1              | <del> </del> | <del> </del> | <del>                                     </del> | <del>                                     </del> | <del> </del> | -            | ;            | <del> </del> - |              | <del> </del> | <del>                                     </del> |                                                  | <del> </del>                                     |                                                  | <del> </del> | <del>                                     </del> | <b></b>        |                                                   | <del> </del>                                     |
|                  |    | ŀ              |              |              |                                                  |                                                  |              |              |              |                |              |              | 1                                                | ļ                                                |                                                  |                                                  |              |                                                  | 1              |                                                   | ]                                                |
|                  |    | <del> </del>   | <del> </del> | <b> </b>     | <del>                                     </del> | <del>                                     </del> |              | <del> </del> | <del> </del> | <del> </del>   | <del> </del> |              |                                                  |                                                  | <del> </del>                                     |                                                  |              | <del> </del>                                     | <b></b>        | <del>                                     </del>  | <del>                                     </del> |
|                  |    |                | 1            |              | 1                                                | <b> </b>                                         |              |              |              |                |              |              | l                                                |                                                  |                                                  | }                                                |              | i                                                |                |                                                   | ļ                                                |
|                  |    |                | <del> </del> |              | <del> </del>                                     |                                                  |              |              |              | <b> </b>       |              | ļ —          |                                                  | <b></b>                                          |                                                  | <del>                                     </del> |              | <del> </del>                                     |                |                                                   | <del> </del>                                     |
| Element (X)      |    | ZX2            |              |              | ZX                                               | L                                                | X            | •            | <del></del>  | No. OI         | s. I         | L            | L                                                | L                                                | Meen I                                           | No. of H                                         | ours wit     | h Tempera                                        | ture           | <u> </u>                                          | <u></u>                                          |
| Rel. Hum.        |    |                | 1879         |              |                                                  | 135                                              | 44.9         |              |              |                | 39           | ± 0          | F                                                | 1 32 F                                           | ≥ 67                                             |                                                  | 73 F         | = 80 F                                           | a 93 I         | F                                                 | Tetal                                            |
| Dry Bulb         |    |                | 0483         |              | 5042                                             | 13                                               | 67.8         | 11.7         | 30           | 2 74           | 60           |              |                                                  | <u> </u>                                         |                                                  |                                                  |              | 138.                                             |                | .7                                                | 744                                              |
| Wet Bulb         |    |                | 6971         |              |                                                  |                                                  | 53,7         | 6.0          | 45           |                | 39           |              | $\neg \vdash$                                    | ,2                                               |                                                  | .5                                               | .5           |                                                  | <del>-  </del> | <del>*                                     </del> | 744                                              |
| Daw Point        |    | 1404           |              |              |                                                  |                                                  | 42.          | 77           | <u> </u>     |                | 30           |              |                                                  | 72.4                                             |                                                  |                                                  |              |                                                  | -              | -                                                 | 744                                              |

FORM 0.26.5 (OLA) PRINSE TENDUS EDITIONS OF THE

(

# PSYCHROMETRIC SU

24112

MALMSTRUM AFB MT/GREAT FALLS
STATION NAME

68-77

YEARS

MONTH

PAGE 1

0000-0200

| Temp.<br>(F)   | 0       | 1 - 2 | 3 - 4       | 5 - 6 | 7 - 8      |                  |         |         | ATURE      |               |              |                  | 23 . 24       | 25 . 24  | 27 . 28 20  | - 30 * 31    | D.8./W.B.     | Dev Bulki        | TOTAL    | Dew 5 |
|----------------|---------|-------|-------------|-------|------------|------------------|---------|---------|------------|---------------|--------------|------------------|---------------|----------|-------------|--------------|---------------|------------------|----------|-------|
| 8/ 77          |         | 1     |             | 3.0   | 7.0        | 7-10             |         | 13 - 14 | 13 - 16    | 17 - 18       | 17 - 20      | 21 - 22          | .1            | 23 - 26  | 27 - 20 27  | - 30 - 31    | 1             | 1                | #47 DOID | De    |
| 6/ 75          |         |       |             |       |            |                  |         |         | .2         | .1            |              | • 2              | ••            |          | 1           |              | 5             | 5                |          |       |
| 4/ 73          |         | T     |             |       |            |                  |         | • 1     | •1         | .4            | .3           |                  |               |          |             |              | 9             | 9                |          |       |
| 2/ 71          |         |       |             |       |            |                  |         | . 2     | .5         | .5            | . 3          | • 2              |               |          |             |              | 17            | 17               |          |       |
| 0/ 69          |         |       |             |       |            | • 2              | .3      | . 8     |            | 1.3           | ,3           | • 1              |               | ĺ        |             |              | 32            | 32               |          |       |
| 8/ 67          |         |       |             | • 2   | . 5        | •6               | .4      | 1.5     |            | ,5            |              |                  |               |          |             |              | 45            | 45               |          |       |
| 6/ 65          |         |       | • 1         | _     | • 9        | • 6              | 1.8     | 1.4     | 1.5        |               | • 1          |                  |               |          | ]           |              | 62            | 62               |          |       |
| 4/ 63          |         |       | • 2         | . 5   | 9.8        | •6               | 1.8     | 2.9     |            | .5            | 1            |                  |               | ļ        |             |              | 81            | 81               |          |       |
| 2/ 61<br>0/ 59 |         | • 5   | • 1<br>• 8  | .9    | 1.6        | 2.0              | 2.3     | 1.4     | . 8        | .3            |              |                  |               | ļi       | 1           |              | 88            | 8 <b>8</b><br>87 | 27       |       |
| 8/ 57          |         | .5    | 1.7         | 1.0   | 1.7        | 1.5              | 2.4     | .5      | .2         |               |              |                  |               |          |             |              | 94            | 94               | 28       |       |
| 6/ 55          |         | 1.2   |             |       | 1.6        |                  | 1.0     | .4      | • •        |               |              |                  |               |          | - 1         |              | 101           | 101              | 76       | 1     |
| 4/ 53          |         | 1.7   | 3.1         | 1.5   | 2.3        | 1.2              | . 8     | .4      |            |               |              |                  | _             |          | <del></del> |              | 102           | 102              | 111      |       |
| 2/ 51          |         | 1.5   | 2.8         |       |            | 1.3              | . 9     | .1      |            |               |              |                  |               |          | }           |              | 92            | 92               | 141      | 4     |
| 0/ 49          |         | 1.3   |             |       | , 8        |                  | •1      |         |            |               |              |                  |               |          |             |              | 53            | 53               | 162      |       |
| 8/ 47          |         | •2    | 1.1         | • 6   | • 3        | . 4              | . 3     |         |            |               |              |                  |               |          |             |              | 28            | 28               | 129      | - 1   |
| 6/ 45          |         | .4    | , ,         | . 3   | •9         | -                | • 1     |         |            |               |              |                  |               |          | 1           | i            | 25            | 25               | 109      |       |
| 4/ 43          |         | • 4   | • 2         |       |            |                  |         |         |            | ' <del></del> |              |                  |               |          |             |              | 6             | - 6              | 55       | 10    |
| 2/ 41          |         | •1    |             |       |            |                  |         | 1       | ĺ          |               |              |                  |               |          |             |              | !             | - 1              | 46       |       |
| 8/ 37          |         |       |             |       |            | ~                |         |         |            |               |              |                  |               |          | <del></del> | -            | +             |                  | 27<br>13 | -     |
| 6/ 35          |         |       |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              |               | I                | 2        |       |
| 4/ 33          |         |       |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              | +             |                  |          | 9     |
| 2/ 31          |         | 1     |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              |               |                  |          | ;     |
| 0/ 29          | _       |       |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              |               |                  |          | 3     |
| 8/ 27          |         | ļ     |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              |               |                  |          |       |
| 6/ 25          |         | i     |             |       |            |                  |         |         |            |               |              |                  |               |          | 1           |              |               |                  |          |       |
| 4/ 23          |         |       |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              |               |                  |          |       |
| 2/ 21<br>0/ 19 |         |       |             |       |            | į                |         |         |            |               |              |                  |               |          | 1           |              |               | ļ                |          |       |
| TAL            |         | 8.7   | 15.3        | 11.2  | 14.4       | 13.5             | 16.1    | 10.9    | 6.1        | 4.0           | 1.2          | ,5               | •1            |          |             |              | +             | 930              |          | 93    |
|                |         | ""    |             | 7.7.  | - 4 6 .    |                  | - 7 7 - |         | ***        | 7.0           | 745          | 7-               | ••            |          | - 1         |              | 930           |                  | 930      | '`    |
|                |         | 1     |             |       |            |                  |         |         |            |               |              |                  |               |          |             |              |               |                  |          |       |
| ment (X)       |         | ZX2   |             |       | Ž          |                  | v       | •       | L          | No. Ob        | . T          |                  |               |          | Maga No     | of Ho        | 1 To          |                  |          |       |
| I. Hum.        | 3282599 |       |             |       | <b>a</b> 1 | 7 7<br>56.318.91 |         | 12      |            |               | ± 0 F = 32 F |                  |               | #een No. | 2 73 F      | ith Temperat | ure<br>≥ 93 F | :   -            | Tetal    |       |
| y Bulb         |         |       | 3182146 540 |       |            |                  | 6.725   |         | 930<br>930 |               |              | <del>`   '</del> |               | 10.9     | <del></del> |              | +-''          | <del> </del>     | (        |       |
| 1 Bulb         |         |       | 8804        |       | 459        |                  |         | 4.8     |            |               | 30           |                  | $\neg \vdash$ |          |             | 1            |               | 1                |          |       |
| w Point        |         |       | 0357        |       | 382        |                  | 41.2    | 7.6     |            |               | 30           |                  |               | 11.9     |             | 1            | 1             | 1                | _        |       |

C FORM 0.26-5 (OL A) PRYSED PREVIOUS EDIT

1

NFETAC FORM

#### **PSYCHROMETRIC SUMMARY**

≥67 F = 73 F > 80 N- > 93 F

93

93

MALMSTROM AFB MT/GREAT FALLS 68-77 ΔUG 0300-0500 PAGE 1 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 74/ 73 5 8 8 72/ 71 9 •2 70/ 69 8 68/ 67 . 2 40 66/ 65 164/ 63 .0 55 55 62/ 61 1.3 91 91 3 60/ 59 58/ 57 24 2.3 2.7 2.8 133 13 56/ 55 2.6 133 54 25 107 107 82 54/ 53 2.0 1.6 2.8 52/ 51 2.0 3.0 3.0 106 106 93 42 31 105 105 50/ 49 1.6 5.3 1.1 1.3 1,5 141 53 53 152 ėo. 48/ 47 41 41 80 145 46/ 45 .9 21 21 94 103 44/ 43 - 6 87 42/ 41 . 5 8 61 77 40/ 39 42 99 38/ 37 24 78 36/ 69 34/ 33 32/ 31 28 30/ 29 22 28/ 27 13 26/ 25 24/ 23 22/ 21 20/ 19 930 930 TOTAL .313.517.114.817.016.2 9.0 7.1 3.5 1.0 930 930

No. Obs.

930

930

10F

± 32 F

61.417.985

55.0 6.319

47.8 4.922

40.8 7.310

57079

51154

44465

37968

AC FOSH 0.26.5 (OLA)

Element (X)

3803745

2850782

2148459

1599720

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Paint

÷.

| 4112<br>STATION | <u>MA</u> | LMST            | ROM        |          | MT/G     |          | FAL      | LS           |              | <u>υ8-</u>                                       | 77           |              |         | YE                                               | ARS                                              |             |              |             | AU                                               |       |
|-----------------|-----------|-----------------|------------|----------|----------|----------|----------|--------------|--------------|--------------------------------------------------|--------------|--------------|---------|--------------------------------------------------|--------------------------------------------------|-------------|--------------|-------------|--------------------------------------------------|-------|
|                 |           |                 |            |          | "        | _        |          |              |              |                                                  |              |              |         |                                                  |                                                  |             | PAGE         | : 1         | 0600-                                            |       |
| Temp            |           |                 |            |          |          |          |          |              |              |                                                  | SSION (      |              |         |                                                  |                                                  |             | TOTAL        |             | TOTAL                                            |       |
| (F)             | 0         | 1 - 2           | 3 - 4      | 5 - 6    | 7 - 8    | 9 - 10   | 11 - 12  | 13 - 14      | 15 - 16      | 17 - 18                                          | 19 - 20      | 21 - 22      | 23 - 24 |                                                  | 27 - 28 2                                        | 9 - 30 * 3  |              | Dry Bulb    | Wet Bulb                                         | Dew F |
| 82/ 81          |           |                 |            |          |          |          |          |              |              |                                                  |              | • 1          |         | •1                                               |                                                  | İ           | 2            | 2           |                                                  |       |
| 80/ 79          |           |                 |            |          |          |          | ļ        |              | <u> </u>     | -1                                               | .1           | •1           |         |                                                  |                                                  |             | 3            | 3           |                                                  |       |
| 78/ 77          |           | 1               |            |          |          |          | ١.       | .1           | •2           | l _                                              | ,3           | •3           | .3      |                                                  | i                                                | İ           | 12           | 12          | 1                                                |       |
| 76/ 75          |           | <u> </u>        |            |          |          |          | •1       |              | ,2           |                                                  |              |              | .1      |                                                  |                                                  |             | 11           | 11          |                                                  |       |
| 74/ 73          |           |                 |            |          |          | ĺ.       | ١.       | •4           | .4           | .6                                               | • 5          |              |         |                                                  |                                                  |             | 21           | 21          | 1                                                |       |
| 72/ 71          |           |                 |            |          |          | 01       | •1       | •1           | .3           |                                                  | ,4           | •1           |         | ļ                                                |                                                  |             | 16           | 16          | <b> </b>                                         |       |
| 70/ 69          |           |                 |            |          |          | •1       | .9       |              |              |                                                  |              |              |         |                                                  |                                                  | ı           | 32           | 32          | 1                                                |       |
| 68/ 67          |           | <del>!</del>    |            |          | • 4      | 5        |          |              |              | <del></del>                                      |              |              |         |                                                  | <del></del>                                      |             | 43<br>59     | 43<br>59    | <del>                                     </del> |       |
| 66/ 65          |           | 1               | • 1        | •1       | , 3      |          |          |              |              |                                                  | •1           |              |         | i !                                              |                                                  | 1           | 84           | 84          |                                                  |       |
| 64/ 63          |           |                 | • 1        | 1.6      | 194      | 1.7      |          |              |              |                                                  | -            |              |         | <del> </del>                                     | ┝┈╌┼╸                                            |             | 85           | 85          | 9                                                |       |
| 62/61           |           | .4              | •6         | 3 -      | 2.0      | 1        | 1.9      | 1.5          | 1 .          |                                                  |              |              |         |                                                  |                                                  |             | 84           | 84          | 22                                               |       |
| 58/ 57          |           | .9              | 1.0        |          | 1.3      |          |          |              |              | -                                                | <del> </del> |              |         | <del>                                     </del> | <del>  </del> -                                  |             | 87           | 87          | 50                                               |       |
| 56/ 55          |           | 1 . 4           | 3.2        | 1.0      | 1.5      | 2.4      | .5       |              |              | ]                                                |              | !!!          |         |                                                  |                                                  | İ           | 105          | 105         | 95                                               |       |
| 54/ 53          |           | 2.3             |            | 1.0      | 1,5      |          |          |              |              | <del>                                     </del> | <del> </del> |              |         | <del> </del>                                     |                                                  |             | 86           | 86          | 121                                              |       |
| 52/ 51          |           | 1.2             | 2.6        |          |          |          |          |              |              |                                                  | 1            |              |         |                                                  |                                                  |             | 73           | 73          | 164                                              |       |
| 50/ 49          | • 1       | 1.3             |            |          | ,6       |          |          |              |              | 1                                                | <del></del>  | <del> </del> |         | <del>                                     </del> |                                                  |             | 61           | 61          | 138                                              |       |
| 48/ 47          | • •       | 1.0             |            | 7        | .6       | 1        |          | 1            |              | 1                                                |              |              |         |                                                  |                                                  | !           | 33           | 33          | 115                                              | 1     |
| 46/ 45          |           | 1.1             | .4         | .1       | •1       |          |          |              | 1            | 1                                                |              |              |         |                                                  |                                                  |             | 18           | 18          | 98                                               |       |
| 44/ 43          |           | .3              | .4         | 1 🔺      | lii      | ] '-     |          | ļ            | 1            |                                                  | 1            |              |         |                                                  |                                                  | i           | 9            | 9           | 56                                               |       |
| 42/ 41          |           | •2              |            |          |          |          | 1        |              | 1            |                                                  |              |              |         |                                                  |                                                  |             | 5            | 5           | 32                                               |       |
| 40/ 39          |           | -               |            |          |          |          |          | L            | l<br>1       | <u> </u>                                         |              | l            |         | <u> </u>                                         |                                                  |             |              |             | 20                                               |       |
| 38/ 37          |           | •1              |            |          |          |          |          |              |              |                                                  |              |              |         |                                                  |                                                  |             | 1            | 1           | 4                                                |       |
| 36/ 35          |           | <u> </u>        |            | <u> </u> |          | <u> </u> | <u> </u> | <u> </u>     |              |                                                  | <u> </u>     |              |         |                                                  | <u> </u>                                         |             |              |             | 3                                                |       |
| 34/ 33          |           |                 |            |          |          |          |          |              |              |                                                  |              |              |         |                                                  |                                                  |             |              | ĺ           |                                                  |       |
| 32/ 31          |           | <u> </u>        |            |          | <u> </u> |          | <u> </u> | <u> </u>     | <u> </u>     |                                                  | <u> </u>     |              |         | <u> </u>                                         | <b>  </b>                                        |             |              |             | <b>  </b>                                        |       |
| 30/ 29          |           |                 |            |          |          |          |          | 1            | ŀ            |                                                  | 1            |              |         |                                                  | 1                                                |             |              |             |                                                  |       |
| 28/ 27          |           | ļ               |            |          |          | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | ļ                                                | ļ            |              |         | <del> </del>                                     | <del>                                     </del> |             |              |             | <del>                                     </del> |       |
| 26/ 25          |           |                 |            | 1        |          |          |          |              |              |                                                  |              |              |         |                                                  |                                                  |             |              |             |                                                  |       |
| 24/ 23          |           | ļ               | <b> </b> - | ļ        |          | ļ        | <b> </b> | <del> </del> | <del> </del> | ┼                                                | <u> </u>     |              |         | <del> </del>                                     | ┝╼╼┼                                             |             |              |             |                                                  |       |
| 22/ 21          |           |                 |            |          |          | ـ را     | ١        |              |              |                                                  |              |              |         |                                                  |                                                  | - 1         |              | 930         | ]                                                | 9     |
| DTAL            |           | 10.6            | 10.2       | 15.0     | 12.4     | 14.7     | 10.1     | 7.7          | 0,3          | 3.4                                              | 2.6          | •9           | 4       | • 1                                              | <del>                                     </del> | _           | 930          | 730         | 930                                              | 7     |
| El / V \        |           | Σχ <sup>2</sup> |            |          | ZX       | <u></u>  | X X      | ļ.,          | 1            | No. 0                                            | <u> </u>     |              |         |                                                  | Mars Ma                                          | of House    | with Tempera |             |                                                  |       |
| Element (X)     |           |                 | 2096       | +        | 537      | 192      |          | 18.          |              |                                                  | 30           | = 0          | F       | ± 32 F                                           | ≥ 67 F                                           |             |              | » 93 I      | F 1                                              | Tetel |
| Dry Bulb        |           |                 | 4441       |          | <u> </u> |          |          | 7.5          |              |                                                  | 30           | - 0          |         | - 74 :                                           | 14.                                              |             | 9            |             |                                                  |       |
| Wet Bulb        |           |                 | 300        |          | 466      |          |          | 4.8          |              |                                                  | 30           |              |         |                                                  | 1-54.                                            | <del></del> | ·            | <del></del> |                                                  |       |

n

Wet Bulb Dew Point

| STATION          | MA | LMST                                             | ROM .    | AFB   | MT/G                                             | REAT   | FAL     | LS          |            | 68-      | 77      |         |             | YE             | ARS         |          |         |              |                  | AL                                               |          |
|------------------|----|--------------------------------------------------|----------|-------|--------------------------------------------------|--------|---------|-------------|------------|----------|---------|---------|-------------|----------------|-------------|----------|---------|--------------|------------------|--------------------------------------------------|----------|
|                  |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             |                |             |          |         | PAGI         | : 1              | 0900-                                            | -110     |
| Temp.            |    |                                                  |          |       |                                                  |        |         | EMPER       |            |          |         |         |             |                |             |          |         | TOTAL        |                  | TOTAL                                            |          |
| (F)              | 0  | 1 . 2                                            | 3 - 4    | 5 - 6 | 7 - 8                                            | 9 - 10 | 11 - 12 | 13 - 14     | 15 - 16    | 17 - 18  | 19 - 20 | 21 - 22 | 23 - 24     | 25 - 26        | 27 - 28     | 29 - 30  | ≥ 31    | D.B./W.B.    | Dry Bulb         | Wet Bulb                                         | Dew P    |
| 00/ 99           |    | 1                                                |          |       |                                                  |        |         | }           |            |          |         |         |             |                |             |          | •1      | 1            | 1                |                                                  |          |
| 96/ 95           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             |                |             | .1       |         | 1            | 1                | L                                                | l        |
| 94/ 93           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             |                |             | ĺ        | • 1     | 1            | 1                |                                                  |          |
| 92/ 91           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             | • 1            | .1          |          | •1      | 3            | 3                | <u> </u>                                         | L        |
| 90/ 89           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             |                | .5          | . 8      | • 4     | 16           | 16               |                                                  |          |
| 85/ 87           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             | •6             | .9          | .1       | •2      | 17           | 17               |                                                  |          |
| 86/ 85           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         | • 5         | .4             | 1.0         | .4       |         | 22           | 22               |                                                  | l        |
| 14/ 83           |    |                                                  |          |       | ,                                                |        |         |             |            |          | •1      | .6      | .9          | .8             | 1.2         | •2       |         | 35           | 35               |                                                  |          |
| 62/81            |    | ! ;                                              |          |       |                                                  |        |         |             | _          | • 1      | 1.1     | 1.8     | 1.2         | 1.0            | .3          |          |         | 51           | 51               | ] ]                                              | ĺ        |
| 30/ 79           |    | -                                                |          |       |                                                  |        |         | . 2         | <u>. l</u> | •1       | 1.1     | 1.1     | 2,2         | •1             |             |          |         | 45           | 45               |                                                  | <u> </u> |
| 18/ 77           |    |                                                  |          |       |                                                  |        | _       | ارا         | .3         | . 8      | 2.4     | 1.5     | , 8         | •2             |             |          |         | 55           | 55               |                                                  | l        |
| 76, 75           |    |                                                  |          |       |                                                  |        | • 1     | .4          | 1,3        | 1.4      | 1.6     | 1.2     | , 3         |                |             |          |         | 59           | 59               |                                                  |          |
| 4/ 73            |    |                                                  |          |       |                                                  | • 1    | • 4     | 1.1         | 2.2        | 2.0      | 2.4     | • 8     | • 1         |                |             |          |         | 84           | 84               |                                                  | l        |
| 72/ 71           |    |                                                  |          |       | • 1                                              | .3     | .6      | 2.3         | 1.2        | 2.0      | .5      | •2      | ,4          |                |             |          |         | 72           | 72               |                                                  | <u> </u> |
| 70/ 69           |    | ]                                                |          |       | ,1                                               | • B    | 2.0     | 1.9         | 1.5        | 1,5      | •4      | • 4     |             |                | ]           |          |         | 81           | 81               | , ,                                              | ł        |
| 68/ 67           |    |                                                  | • 1      |       | ,3                                               | • 6    | 1.2     | 1.2         | 1.6        | .3       | •1      | •1      |             |                |             |          |         | 52           | 52               |                                                  | <u> </u> |
| 56/ 65           |    |                                                  | • 1      | •5    | 1.0                                              | 1,3    | 1.7     | . 8         | •6         | 1.3      | •1      |         |             |                | 1           |          |         | 67           | 67               | 6                                                | i        |
| 4/ 63            |    |                                                  | • 1      | .9    | كموف                                             | 1.4    | • 9     | . 8         | 1.0        | .3       |         |         |             |                |             |          |         | 58           | 58               | 15                                               |          |
| 62/ 61           |    | .3                                               | • 1      | .3    | 1,2                                              | •6     | 1.1     | 1.0         | ,4         |          |         |         |             | ŀ              |             |          |         | 44           | 44               | 64                                               | ł        |
| 50/ 59           |    | • •                                              | 3        | 1.3   |                                                  |        |         | - 1         | .3         | <u> </u> |         |         |             | <u> </u>       |             |          |         | 47           | 47               | 130                                              |          |
| 58/ 57<br>56/ 55 |    | .2                                               | 1.1      | 1.0   | ,5                                               | 1.0    | .5      | .3          |            |          |         |         | İ           |                |             |          |         | 43           | 43               | 161                                              | l        |
| 54/ 53           |    | .8                                               | 1 1      | 1.1   | 16                                               |        |         |             |            |          |         |         |             |                | <b></b>     |          |         | 28           | 28               | 159                                              |          |
| 52/ 51           |    | .6                                               |          | .4    | . 2                                              | • 1    |         |             |            |          |         |         |             |                |             |          |         | 24           | 24<br>15         | 142                                              | 1        |
| 0/ 49            |    | .1                                               | .6       |       |                                                  |        |         |             |            |          |         |         |             | <b> </b>       |             |          | .—      | 15           | 13               | 89                                               | 1        |
| 8/ 47            |    | i                                                |          |       |                                                  |        |         |             |            |          |         |         |             |                |             |          |         | 4            | 7                | 82                                               | 1        |
| 6/ 45            |    | •                                                | • 1      |       |                                                  |        |         |             |            |          |         |         |             | <del> </del> - |             |          |         | 1            |                  | 53                                               | -        |
| 4/ 43            |    |                                                  | • •      |       |                                                  |        |         |             |            |          |         |         |             |                |             |          |         | 1            | •                | 20                                               | •        |
| 2/ 41            |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         |             | <del> </del> - |             |          |         | <del> </del> |                  | <del>                                     </del> | _        |
| 0/ 39            |    |                                                  |          |       |                                                  |        | l<br>1  |             |            |          |         |         |             |                |             |          |         |              |                  | 1 /                                              | l        |
| 38/ 3/           |    | <del> </del>                                     |          |       |                                                  |        |         |             |            |          |         |         | <del></del> | <b></b> -      | <del></del> |          |         |              |                  | <del>  </del>                                    |          |
| 36/ 35           |    |                                                  |          |       |                                                  |        |         |             |            |          |         |         | ĺ           |                | i i         |          |         |              |                  |                                                  |          |
| 34/ 33           |    | <del>                                     </del> | <u> </u> |       | <del>                                     </del> |        |         |             |            | <u> </u> |         | ļ       | <del></del> |                |             |          |         | <del> </del> |                  | <del>  </del>                                    |          |
| 32/ 31           |    |                                                  |          |       |                                                  |        | ·       |             |            |          |         |         |             |                |             |          |         |              |                  | ļ ·                                              | i        |
| ier ant (X)      |    | Zx2                                              | •        |       | ZX                                               | —      | X       | - ·         | -          | No. Ob   | s. T    | ···     | L           | <b></b>        | Mean N      | o. of He | urs wie | h Temperat   | ure              | لـــــا                                          |          |
| el. Hum.         |    |                                                  |          |       |                                                  | $\neg$ |         | <b>^</b>    | $\neg$     |          | -       | ≤ 0     | F ,         | 32 F           | ≥ 67        |          | 73 F    | > 80 F       | 2 93 1           | F .                                              | Total    |
| ry Bulb          |    |                                                  | ~        |       |                                                  | _      |         |             |            |          |         |         |             |                |             | ┶        |         |              | <del>- '''</del> | <del></del>                                      |          |
| W- 4 19 11       |    |                                                  |          |       |                                                  |        |         | <del></del> |            |          |         |         |             |                | <u> </u>    |          |         | 1            |                  |                                                  |          |

**(**\*)

*(*)

## **PSYCHROMETRIC SUMMARY**

2412 MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION STATION NAME

PAGE 2 0900-110

2 0900-1100 HOURS (L. S. T.)

| Temp.       |   |                                                  | ,            |              |              |              | BULB         |              |                                                  |              |              |              |          |                                                  | ,            |             |              | TOTAL         |             | TOTAL          |              |
|-------------|---|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------------------------------|--------------|--------------|--------------|----------|--------------------------------------------------|--------------|-------------|--------------|---------------|-------------|----------------|--------------|
| (F)         | 0 | 1 - 2                                            | 3 - 4        | 5 - 6        | 7 - 8        | 9 - 10       | 11 - 12      | 13 - 14      | 15 - 16                                          | 17 - 18      | 19 - 20      | 21 - 22      | 23 - 24  | 25 - 26                                          | 27 - 28      | 29 - 30     | ≥ 31         | D.B./W.B.     | Jry Bulb    | Wet Bulb       |              |
| 30/ 29      |   |                                                  |              |              |              |              |              |              |                                                  |              |              |              |          |                                                  |              | انا         |              | !             | !           | 1              | 2            |
| 28/ 27      |   |                                                  |              |              |              |              | ļ            |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                | 1            |
| 26/ 25      |   |                                                  |              |              |              |              |              |              | [                                                |              |              |              |          |                                                  |              |             |              |               |             |                | 1            |
| 24/ 23      |   |                                                  |              |              |              |              |              |              | į                                                |              |              |              |          |                                                  | ļ            |             |              | ļ į           |             | l              |              |
| 24/ 23      |   |                                                  |              |              |              |              | 1            |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             | i              |              |
| OTAL        |   | 2.6                                              | 4.8          | 5.8          | 5.7          | 7.8          | 0.1          | 10.0         | 10.5                                             | 0.0          | о. я         | 7.7          | 4.3      | 3.2                                              | 4.0          | 1.6         | 1.0          |               | 930         | i              | 93           |
| ## 25       |   | 2.00                                             | 7.0          |              | 77,          |              | 74.          | 2000         | 1000                                             | 7.0 -        | 7,00         |              | 0.0      | 772                                              | 7.00         | .,,,        | ***          | 930           |             | 930            |              |
|             |   |                                                  |              |              |              |              | ]            |              |                                                  |              |              | }            |          |                                                  |              |             |              | 750           |             | -30            | ļ            |
|             |   |                                                  | -            |              |              |              |              | <del></del>  | <del> </del>                                     | <del></del>  |              |              |          |                                                  |              |             |              |               |             | <del> </del> - | ┼            |
|             |   | 1                                                |              |              |              |              |              |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             | <u> </u>       |              |
|             |   | <del>                                     </del> |              |              |              |              | -            |              | <b> </b>                                         |              |              |              |          |                                                  |              |             |              |               |             |                | ╁            |
|             |   |                                                  |              |              |              |              |              | l            | l                                                |              |              |              |          |                                                  |              |             |              | 1             |             |                | 1            |
|             |   | <u> </u>                                         |              |              |              |              |              |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             | ļ              | <del> </del> |
| i           |   | j                                                |              |              |              |              |              | l            |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                | i            |
|             |   |                                                  |              |              |              |              |              |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                |              |
| 1           |   |                                                  |              |              |              |              | ľ            | ]            |                                                  |              |              |              |          |                                                  |              |             |              | 1             |             | 1              | 1            |
|             |   |                                                  | <u> </u>     |              |              |              | ļ            |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                | <u> </u>     |
|             |   |                                                  |              |              |              |              |              |              | I                                                |              |              |              |          |                                                  |              |             |              | i i           |             |                |              |
| ļ           |   |                                                  | ļ            | ļ            | ļ            |              | ļ            | l            | 1                                                | ļ            |              |              |          |                                                  | •            |             |              |               |             | ļ              |              |
|             |   | <del> </del>                                     |              | i            | <u> </u>     |              | 1            |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                | 1            |
| l           |   | j                                                | i            | ļ            |              |              | ļ            |              |                                                  | 1            |              |              |          |                                                  |              |             |              |               |             |                |              |
|             |   | 1                                                | <del> </del> |              | <del> </del> |              | <del> </del> | <del> </del> | <del> </del>                                     | <del> </del> | <u> </u>     |              |          | <del> </del>                                     |              |             |              | t             |             | <del> </del>   | <del> </del> |
|             |   | 1                                                | Ì            | ļ            |              |              |              |              |                                                  | 1            | ŀ            |              |          |                                                  |              |             |              |               |             | ļ              |              |
|             |   |                                                  | <del> </del> | <del> </del> |              |              | <del> </del> | <del> </del> | <del>                                     </del> | <del> </del> | <del> </del> | <del> </del> |          | <del>                                     </del> | <del> </del> |             | <del> </del> | <del>  </del> |             | <del> </del>   | <del> </del> |
|             |   |                                                  | ł            |              |              | ĺ            |              | ĺ            | ļ                                                |              | 1            | Ì            |          | ŀ                                                |              |             | 1            |               |             | 1              |              |
|             |   | ╁                                                | ļ            | <del> </del> |              | <del> </del> | <del> </del> | <del> </del> | <del> </del>                                     | <del> </del> |              | <b></b>      |          | <del> </del>                                     |              |             | <del> </del> |               |             |                | <del></del>  |
|             |   | 1                                                | ļ            |              | ļ            | ĺ            | }            |              |                                                  | l            |              |              | 1        |                                                  | j            |             |              | l i           |             |                |              |
|             |   | <u> </u>                                         |              | <u> </u>     | ļ            |              | <u> </u>     | ļ            |                                                  | 1            |              |              | <b> </b> |                                                  |              |             |              |               |             |                | <del> </del> |
| Ì           |   | i                                                |              |              | l            | l            |              |              |                                                  |              |              |              | ļ        |                                                  | {            |             |              |               |             |                |              |
|             |   | .l                                               | <u> </u>     | 1            |              |              | ļ            | ļ            |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                | <u> </u>     |
| - 1         |   |                                                  | İ            | !            |              | ļ            | ł            | l            | l                                                | 1            |              | ļ            | ļ        | 1                                                |              |             |              | [ ]           |             |                |              |
|             |   | <u> </u>                                         | L            |              |              | <u> </u>     | <u>'</u>     |              | <u> </u>                                         |              | <u> </u>     | <u> </u>     | <u> </u> | L                                                |              |             |              |               |             |                |              |
| İ           |   | 1                                                | 1            | İ            |              | 1            |              | 1            | 1                                                | 1            |              | ļ            | 1        | 1                                                | 1            |             |              | 1             |             | 1              | 1            |
|             |   |                                                  |              | <u> </u>     | <u> </u>     |              | <u> </u>     |              |                                                  |              |              |              | L        | L                                                |              |             | İ            | <u> </u>      |             | <u> </u>       |              |
|             |   |                                                  |              | 1            |              |              |              |              |                                                  |              |              |              |          |                                                  |              |             |              |               |             |                |              |
|             |   |                                                  | <u></u>      |              | L            | <u> </u>     | <u> </u>     | <u>L</u>     | <u> </u>                                         | <u> </u>     | <u> </u>     |              | <u> </u> |                                                  |              | <u> </u>    |              |               |             |                |              |
| Element (X) |   | Σχ²                                              |              |              | ZX           |              | X            | <b>"</b> x   |                                                  | No. Ol       |              |              |          |                                                  | Meen I       | lo. of H    | ours wit     | h Temperat    | JI O        |                |              |
| Rel. Hum.   |   | 191                                              | 9925         |              | 385          | 97           | 41.5         | 18.5         | 03                                               |              | 30           | ≤ 0          | F        | 1 32 F                                           | ≥ 67         |             | 73 F         | > 80 F        | <b>= 93</b> |                | Total        |
| Dry Bulb    |   | 467                                              | 1315         | 1            | 653          | 11           | 70.2         | 9.5          | 50                                               | 9            | 30           |              |          |                                                  | 59           | .5          | 39.0         | 17.2          |             | .3             |              |
| Wet Bulb    |   |                                                  | 10750        |              | 511          | 48           | 55,0         | 4.3          | 67                                               |              | 30           |              |          |                                                  | T            |             |              | 1             | T           |                |              |
|             |   |                                                  | 7359         |              | 401          |              | 43.2         |              | - 11                                             |              | 30           |              |          | 6,6                                              |              | <del></del> |              | <del> </del>  |             | <del></del>    |              |

## **PSYCHROMETRIC SUMMARY**

| 4112             | MA | LMST                                          | ROM / | AFB I    | MT/G       | REAT       | FALI    | LS           |                                              | 68-          | 77      |              |                                        | YF        | ARS     |              |         |              |          | AL       |              |
|------------------|----|-----------------------------------------------|-------|----------|------------|------------|---------|--------------|----------------------------------------------|--------------|---------|--------------|----------------------------------------|-----------|---------|--------------|---------|--------------|----------|----------|--------------|
|                  |    |                                               |       | •        |            |            |         |              |                                              |              |         |              |                                        |           |         |              |         | PAGE         | 1        | 1200-    | -140         |
| Temp.            |    |                                               |       |          |            | WET        | BULB T  | EMPER        | ATURE                                        | DEPRE        | SSION ( | F)           | ······································ |           | •       |              |         | TOTAL        |          | TOTAL    |              |
| (F)              | 0  | 1 . 2                                         | 3 - 4 | 5 - 6    | 7 - 8      | 9 - 10     | 11 - 12 | 13 - 14      | 15 - 16                                      | 17 - 18      | 19 - 20 | 21 - 22      | 23 - 24                                | 25 - 26   | 27 - 28 | 29 - 30      | ≥ 31    | D.B./W.B.    | Dry Bulb | Wet Bulb | Dew I        |
| 06/105           |    |                                               | Ĭ     |          |            |            |         |              |                                              |              |         |              |                                        |           |         | •            | •1      | 1            | 1        |          |              |
| 02/101           |    | ] }                                           | _     |          |            |            |         |              |                                              |              |         | •            |                                        |           |         |              | • 3     | 3            | 3        |          | l            |
| 00/ 99           |    | ]                                             |       |          |            |            |         |              |                                              |              |         |              |                                        |           |         |              | •1      | 1            | 1        |          |              |
| 98/ 97           |    |                                               |       |          |            |            | ٠       |              |                                              |              |         |              |                                        |           |         |              | • 8     | 7            | 7        |          | l            |
| 96/ 95           |    |                                               |       |          |            |            |         |              |                                              |              |         |              |                                        |           |         |              | • 8     | 7            | 7        |          | i            |
| 94/ 93           |    | <u>                                      </u> |       |          |            |            |         |              |                                              |              |         |              |                                        |           |         | . 4          | 3.2     | 34           | 34       |          |              |
| 92/ 91           |    | 1 1                                           | !     |          | . 1        |            |         |              | r                                            |              | •       |              |                                        |           | •3      | 1.0          | 3.3     | 43           | 43       |          | ĺ            |
| 90/ 89           |    |                                               |       |          |            |            |         |              |                                              |              |         |              |                                        | -1        | 1.3     | 1.5          | 2,3     | 48           | 48       |          |              |
| 88/ 87           |    |                                               |       |          | - 1        |            |         |              |                                              |              |         | • 2          | .4                                     | •4        | 1.0     | 1.6          | • 8     | 41           | 41       |          | l            |
| 86/ 85           |    |                                               |       |          |            |            |         |              |                                              |              |         | .4           | .6                                     | 1.2       | 2.0     | .9           | • 3     | 51           | 51       |          |              |
| 84/ 83           |    |                                               |       |          |            |            | :       |              |                                              | - 1          | .3      | . 8          | 1.0                                    |           | 1.7     | • 1          | •1      | 60           | 60       |          | l            |
| 82/ 81           |    |                                               |       |          |            |            |         |              | •1                                           | •2           | ,5      | 1.0          | 2,4                                    | 1.4       | 1.0     | ,3           |         | 64           | 64       |          | <u> </u>     |
| 80/ 79           |    |                                               | i     | 1        |            |            |         |              | .5                                           |              | 1.5     | 1,3          | 1.8                                    |           | •1      |              |         | 65           | 65       |          | i            |
| 78/ 77           |    | <b> </b>                                      |       |          |            |            |         | .3           | ,6                                           |              | 1.3     | 1.9          | •4                                     | • 5       | •1      |              |         | .64          | 64       |          | <u></u>      |
| 76/ 75           |    |                                               |       |          |            | _          | .3      | .5           |                                              |              |         |              | ,5                                     | •3        |         |              |         | 71           | 71       |          | i            |
| 74/ 73           |    |                                               |       |          |            | • 2        | • 1     | .4           |                                              | 1.0          | 1.3     | .4           | .5                                     | •1        |         |              |         | 51           | 51       |          |              |
| 72/ 71           |    |                                               |       |          |            | • 1        | .5      | 1.3          | 1.1                                          | .9           | 1.3     |              | • 2                                    |           |         |              |         | 55           | 55       |          | ĺ            |
| 70/ 69           |    |                                               |       | • 1      |            | • 3        | 1,2     | 1.2          |                                              | .9           |         |              |                                        |           |         |              |         | 58           | 58       |          |              |
| 68/ 67           |    |                                               | -     |          | • 2        |            |         | -            |                                              |              |         |              |                                        |           |         |              |         | 46           | 46       |          | l            |
| 66/ 65           |    |                                               |       |          | . 4        | • 4        | 1.0     | .8           | .3                                           | , 5          |         |              |                                        |           |         |              |         | .33          | 33       | 15       | <u> </u>     |
| 64/ 63           |    | • 1                                           | ا     | . 3      | • 5        | • 6        | . 5     | • 5          |                                              | .4           |         |              |                                        |           |         |              |         | 32           | 32       | 42       | l            |
| 62/ 61           |    | • 2                                           | - 3   | • 2      | • 1        | . 5        | •6      | .4           |                                              |              |         |              |                                        |           |         |              |         | 23           | 23       | 87       |              |
| 60/ 59           |    | • 1                                           | • 1   | • 4      | - 8        | , 1        | • 2     |              |                                              |              |         |              |                                        |           |         |              |         | 16           | 16       | 168      |              |
| 58/ 57           |    |                                               | . 2   | . 3      | <u>, 5</u> | • 1        | .1      |              |                                              |              |         | <u> </u>     |                                        |           |         |              |         | 12           | 12       | 208      | <u> </u>     |
| 56/ 55           |    | .2                                            | 1.1   | •4       | • 2        | <b>,</b> 1 |         |              |                                              |              |         |              |                                        |           |         |              |         | 19           | 19       | 145      | 1            |
| 54/ 53<br>52/ 51 |    | • 1                                           | •6    |          |            |            |         |              |                                              | <u> </u>     |         |              |                                        |           |         |              |         | 12           | 12       | 101      | -            |
| 1                |    | .3                                            | • 0   |          |            |            |         |              |                                              |              |         |              |                                        | ]         |         |              |         | 7            | . 3      | 86       | ĺ            |
| 50/ 49<br>48/ 47 |    | 1 .2                                          | • 3   |          |            |            |         |              |                                              |              |         |              |                                        |           |         |              |         | 3            | 3        | 48       |              |
| 46/ 45           |    |                                               | • •   |          |            |            |         |              |                                              |              |         |              |                                        |           |         |              |         | 3            | 9        | 22       | 1            |
| 44/ 43           |    | 1                                             |       |          |            |            |         | <del> </del> | <del> </del>                                 | <del> </del> |         | <del> </del> | <del></del>                            |           |         |              |         | <del> </del> |          | 6<br>2   | -            |
| 42/ 41           |    |                                               |       |          |            | į          |         |              | ļ                                            | ļ            |         |              |                                        |           |         |              |         |              |          | 4        |              |
| 40/ 39           |    |                                               |       |          |            |            |         | <u> </u>     | <del> </del>                                 | <del> </del> |         | <del> </del> | <del> </del>                           | <b></b> - |         |              |         | <del> </del> |          |          | <del> </del> |
| 38/ 37           |    |                                               |       |          |            |            |         |              |                                              |              |         |              |                                        |           |         |              |         |              |          |          |              |
| Element (X)      |    | Z X²                                          |       | <u></u>  | Σχ         | <u> </u>   | X       |              | <u>'                                    </u> | No. Ob       |         | L            | L                                      | L         | Mean h  | io. of H     | ure wis | h Temperat   | ute      |          | <u> </u>     |
| Rel. Hum.        |    |                                               |       | <u>.</u> |            |            |         |              | $\dashv$                                     | ,,,,,,       |         | ± 0          | F   .                                  | 32 F      | × 67    |              | 73 F    | > 80 F       | ≥ 93 1   | :   1    | Tatal        |
| Dry Bulb         |    |                                               |       |          |            |            |         |              |                                              |              |         |              | <del>` -</del>                         |           | - 37    | <del>`</del> | 73 1    | - • · ·      | - 73     |          | - 3101       |

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USAFETAC FORM

Dew Point

#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME AUG 68-77 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 76 36/ 35 63 34/ 33 32 32/ 31 22 30/ 29 28 28/ 27 10 26/ 25 2 24/ 23 22/ 21 2 20/ 19 930 930 5.7 6.9 7.1 8.9 9.2 8.0 8.0 7.6 TOTAL 930 930 No. Obs. Element (X) Mean No. of Hours with Temperature 37.517.827 76:710.653 1277955 5582355 930 Rel. Hum. 267 F 273 F 280 F 293 F 30231 10F ≤ 32 F 930 77.0 61.1 139.3 71369 Dry Bulb 930 Wet Bulb 2992330 52616 56,6 4,086 Dew Point 1654946 38650

ETAC FORM 0-26-5 (OLA) #

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### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME 68-77 AUG PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 104/103 3 7 100/ 99 .8 98/ 97 9 1.0 96/ 95 17 17 1.8 94/ 93 .2 4.8 47 47 92/ 91 .1 4.4 52 52 90/ 89 1.1 3.9 50 50 1.9 1.5 88/ 87 1.1 1.4 63 63 86/ 85 84/ 83 .1 1.2 2.3 1.8 58 58 • 6 .6 .6 2.4 1.3 .9 61 61 1.5 82/ 81 .2 1.5 1.2 53 53 •2 •6 69 69 80/ 79 1.1 78/ 77 .3 , 9 . 8 54 54 1.8 76/ 57 57 . 8 .4 74/ 73 •1 .5 1.2 . 3 59 1.4 1.7 1.5 • 5 .2 47 72/ 71 . 8 .3 1.1 46 1.1 55 56 70/ 69 1.0 1.0 • 6 1.2 21 68/ 67 . 8 21 32 66/ 65 . 2 32 19 • 1 • 4 • 1 64/ 63 33 33 39 27 62/61 27 • 6 1.0 • 1 87 60/ 59 10 10 173 224 58/ 57 11 11 . 5 , 9 14 56/ 55 14 135 9 27 54/ 53 110 52/ 51 6 6 67 50/ 49 2. 2 61 45 32 107 48/ 47 46/ 45 44/ 43 82 42/ 41 76 93 40/ 39 79 38/ 37 36/ 35 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Total Dry Bulb Wet Bulb

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM

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SAFETAC FORM

Dew Point

## **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77 AUG
STATION STATION NAME YEARS MONTH

PAGE 2 1500-1700

| Wet Bulb Dew Paint       |   |                                                  | 2689      |              | 526<br>377                                       | 57       | 56.7                                             | 7.5     | 26      |                                                  | 28<br>28 |                                        | _                                                | 13.9                                             |         | <b>il</b> _ |      |           | <del> </del>                          |          | 9      |
|--------------------------|---|--------------------------------------------------|-----------|--------------|--------------------------------------------------|----------|--------------------------------------------------|---------|---------|--------------------------------------------------|----------|----------------------------------------|--------------------------------------------------|--------------------------------------------------|---------|-------------|------|-----------|---------------------------------------|----------|--------|
| Dry Bulb                 |   | 582                                              | 6424      |              | 729                                              | 06       | 78.4                                             | 3.9     | 3       | 9                                                | 30       | ······································ |                                                  |                                                  |         |             |      | 45,6      |                                       | , 3      | 9      |
| Element (X)<br>Rel. Hum. |   |                                                  | 2718      |              |                                                  | 42       |                                                  | 17.8    |         |                                                  | 28       | <b>±</b> 0                             | F                                                | ≤ 32 F                                           | Meon r  |             | 73 F | > 80 F    | 2 93 I                                | F        | Total  |
| El (Y)                   |   | E <sub>X</sub> 2                                 | <u></u>   |              | ZX                                               | <u> </u> | ļ X                                              | - F     | L       | No. Ob                                           |          | L                                      | <u> </u>                                         |                                                  | Mags 1  | 10.06.2     | )    | Temperat  |                                       | <u></u>  | L      |
|                          |   | 1                                                |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   | 1                                                | ŀ         |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           |              | <u> </u>                                         |          | <del> </del>                                     |         |         | ļ                                                |          | <del> </del>                           | <u> </u>                                         | <u> </u>                                         |         | ļ           |      |           |                                       |          |        |
|                          |   |                                                  |           |              | <del>                                     </del> |          |                                                  |         |         | <del>                                     </del> |          |                                        |                                                  | <del>                                     </del> |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   | <u> </u>                                         |           |              |                                                  |          | <u> </u>                                         |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   | <del> </del>                                     |           |              |                                                  |          | <del>                                     </del> |         |         | $\vdash$                                         |          |                                        |                                                  | <b></b>                                          |         |             |      |           | · · · · · · · · · · · · · · · · · · · |          |        |
|                          |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   | <del>├</del>                                     | <b></b> - | <del> </del> |                                                  |          | -                                                |         |         |                                                  |          |                                        |                                                  | <u> </u>                                         |         |             |      |           |                                       |          |        |
|                          |   | i                                                |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        | •                                                |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           | <u> </u>     |                                                  |          | ļ                                                |         |         |                                                  |          | <u> </u>                               | ļ                                                |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        | <del>                                     </del> |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
|                          |   |                                                  |           | ļ            |                                                  |          | '                                                |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      | 7420      |                                       | 720      |        |
| OTAL                     |   | 1.3                                              | 2.3       | 2.8          | 2.8                                              | 3.0      | 5.3                                              | 5.5     | 6.3     | 5.5                                              | 9,9      | 6.5                                    | 7.3                                              | 8.3                                              | 6.7     | 7.3         | 19.3 | 928       | 930                                   | 928      | 92     |
| 20/ 19<br>18/ 17         | - | <del>                                     </del> |           | <del> </del> |                                                  |          |                                                  |         | —       |                                                  |          | <u> </u>                               | <del></del>                                      |                                                  |         |             |      |           |                                       |          |        |
| 22/ 21                   |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          |        |
| 24/ 23                   |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  | <u> </u> |                                        |                                                  |                                                  |         |             |      |           |                                       |          | 1      |
| 28/ 27<br>26/ 25         |   | ļ                                                |           |              |                                                  |          | ļ                                                |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          | 2      |
| 30/ 29                   |   |                                                  |           | <b></b> -    |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          | 3      |
| 34/ 33<br>32/ 31         |   |                                                  |           |              |                                                  |          |                                                  |         |         |                                                  |          |                                        |                                                  |                                                  |         |             |      |           |                                       |          | 7 5    |
| (F)                      | 0 | 1 - 2                                            | 3 - 4     | 5 - 6        | 7 - 8                                            | 9 - 10   | 11 - 12                                          | 13 - 14 | 15 - 16 | 17 - 18                                          | 19 - 20  | 21 - 22                                | 23 - 24                                          | 25 - 26                                          | 27 - 28 | 29 - 30     | ≥ 31 | D.B./W.B. | Dry Bulb                              | Wet Buib | Dew Po |
| Temp                     |   |                                                  |           |              |                                                  | WET      | BULB 1                                           | remper. | ATURE   | DEPRE                                            | SSION (  | F)                                     |                                                  |                                                  |         |             |      | TOTAL     |                                       | TOTAL    |        |

## **PSYCHROMETRIC SUMMARY**

Z4112 MALMSTROM AFB MT/GREAT FALLS 68-77
STATION STATION HAME

PAGE 1 1800-2000
HOURS (L.S.T.)

|                  |                   |                                                  |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  |                                                  |                                                  |          |              | L. S. T.)                                        |
|------------------|-------------------|--------------------------------------------------|------------|------------|----------|------------|----------|---------|---------|-----------|---------|--------------------------------------------------|-------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|--------------|--------------------------------------------------|
| Temp             |                   | , ,                                              |            |            |          |            | BULB T   |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  |                                                  | TOTAL                                            |          | TOTAL        | 15 5                                             |
| (F)              | 0                 | 1 - 2                                            | 3 - 4      | 5 - 6      | 7 - 8    | 9 - 10     | 11 - 12  | 13 - 14 | 15 - 16 | 17 - 18   | 19 - 20 | 21 - 22                                          | 23 - 24     | 25 - 26                                          | 27 - 28                                          | 29 - 30                                          |                                                  | D.B./W.B.                                        | Dry Bulb | Wet Bulb     | Dew Poir                                         |
| 02/101           |                   |                                                  |            |            |          |            | ĺ        |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  | • 1                                              |                                                  | 1        |              | 1                                                |
| 00/ 99           |                   |                                                  |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  | •1                                               | 1 1                                              |          |              | <del> </del>                                     |
| 96/ 95           |                   |                                                  |            | 1          | ļ        | Ì          | - 1      |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  | •3                                               | 3                                                | 3        |              |                                                  |
| 94/ 93           |                   | İ                                                |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  |                                                  | •2                                               | 6                                                | 8                                                | 8        |              | ļ                                                |
| 92/ 91           |                   |                                                  |            | 1          | 1        |            | 1        |         |         |           |         |                                                  |             |                                                  | _                                                | .3                                               | 1.9                                              | 21                                               | 21       |              |                                                  |
| 90/ 89           |                   |                                                  |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  | .3                                               | .9                                               | 1.0                                              | 20                                               | 20       |              | ļ                                                |
| 88/ 87           |                   |                                                  |            | 1          | 1        |            | - 1      | İ       |         |           |         |                                                  | • 3         |                                                  | 1.2                                              | 1.6                                              | .9                                               | 37                                               | 37       |              | į                                                |
| 86/ 85           |                   |                                                  |            |            |          | j          |          |         |         |           |         |                                                  | .3          | 100                                              | 1.4                                              | 1.1                                              | •1                                               | 33                                               | 33<br>45 |              | <del> </del>                                     |
| 84/ 83           |                   |                                                  |            |            | 1        |            | 1        |         |         | 2         | • 1     | •1                                               | .6          | 103                                              | 2.0                                              | .3                                               | •3                                               |                                                  | 65       |              | }                                                |
| 82/ 81           |                   | ļ                                                |            |            |          |            |          | !       |         | ,3        | • 6     | •6                                               | 1.0         |                                                  |                                                  | .8                                               | <del> </del>                                     | 65                                               | 54       |              | <del>                                     </del> |
| 80/ 79           |                   |                                                  |            | 1          | -        | 1          | .        | • 1     | • 1     | .2        | .8      | 1.1                                              | 2.0         |                                                  | • 1                                              | •1                                               |                                                  | 54                                               |          |              |                                                  |
| 78/ 77           |                   |                                                  |            |            |          |            |          | .2      | .5      | .9        | 1.4     | 2,5                                              | .6          |                                                  | •1                                               | <u> </u>                                         |                                                  | 63                                               | 63       |              | <del> </del> -                                   |
| 76/ 75           |                   |                                                  |            | j          | ļ        |            | ا        | . • 1   | . 8     | .5        | .5      | 1.4                                              | 1.0         |                                                  |                                                  |                                                  | 1                                                | 70                                               | 72       |              | 1                                                |
| 74/ 73           |                   | ļ                                                |            |            |          | <u>• 1</u> | .2       | 1.0     | 1.4     | 2.2       | 1.4     | 1.0                                              | .3          |                                                  |                                                  | <del> </del>                                     |                                                  | 63                                               | 63       | <b></b>      | <del> </del> -                                   |
| 72/ 71           |                   | <b>!</b>                                         |            | ۱,         | • 3      |            | • 4      | 1.1     | 1.2     | 1.7       | 1.2     | •6                                               | .2          |                                                  |                                                  | 1                                                |                                                  |                                                  | 66       |              | 1                                                |
| 70/ 69           |                   |                                                  |            | -1         | .3       | • 4        | . 8      | 1.4     | 1.9     | 1.2       | . 3     | •4                                               | .1          |                                                  | <b></b> _                                        | <b></b>                                          |                                                  | 65                                               | 60       |              | ┼                                                |
| 68/ 67           |                   |                                                  | •          | - 1        | •4<br>•3 | • 4        | 1.5      | 1.5     | .9      | .8        | 1.0     |                                                  |             |                                                  |                                                  |                                                  |                                                  | 42                                               | 42       | 1 3          | İ                                                |
| 66/ 65           |                   | <del>                                     </del> | • 2        | -,-        | 3        | .6         | .8       | .9      | .9      | .3        | , 5     |                                                  |             |                                                  | <del> </del>                                     |                                                  | <del> </del> -                                   | 60                                               | 60       | <del></del>  | <del></del>                                      |
| 64/ 63           |                   | • 4                                              | • 1        | 1.1        | , 9      | 1.4        | •9       | . 8     | ,6      | .3        |         |                                                  |             |                                                  | l                                                | Į                                                |                                                  | 44                                               | 44       | 23<br>48     |                                                  |
| 62/ 61           |                   |                                                  | •6         | 1.1        | . 8      | 1.0        | - 4 2    | .3      | .5      | -1        |         |                                                  | <del></del> |                                                  | <del> </del>                                     |                                                  |                                                  | 44                                               | 44       | 94           | <del></del>                                      |
| 60/ 59           |                   | 2                                                | • 9        | 1.3        | 1.5      | . 3        |          | • 3     | .1      | • 1       |         |                                                  |             |                                                  |                                                  | <b>[</b>                                         | ļ                                                | 25                                               | 25       | 179          |                                                  |
| 58/ 57<br>56/ 55 |                   | , 3                                              | • 5<br>• 3 | • 5<br>• 6 | .9       | • 2        | •1<br>•1 | •1      |         |           |         |                                                  |             | <del> </del>                                     |                                                  | <del> </del>                                     | <del> </del>                                     | 23                                               | 23       | 193          | -                                                |
| 54/ 53           |                   | •4                                               | • 2        | .5         |          | * 9        | • •      | • 4     |         |           |         |                                                  |             | ļ ·                                              |                                                  | •                                                |                                                  | 10                                               | 10       | 144          |                                                  |
| 52/ 51           | · · · · · · · · · | .6                                               |            | .2         | •2       |            |          |         |         | -         |         |                                                  |             | <del> </del>                                     |                                                  | <del> </del>                                     |                                                  | 16                                               | 16       | 106          | 3                                                |
| 50/ 49           |                   | .,                                               | , 0        | • 5        | • •      |            |          |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  | 1                                                | 4                                                | . 4      | 59           |                                                  |
| 48/ 47           |                   | .3                                               | • 3        |            |          |            |          |         |         | <b></b> - |         |                                                  |             | <del> </del>                                     |                                                  | <b></b>                                          | <del> </del>                                     | 3                                                | 3        | 47           |                                                  |
| 46/ 45           |                   | .3                                               |            |            | '        | ļ          |          |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  |                                                  | 3                                                | <u> </u> | 23           |                                                  |
| 44/ 43           |                   | 1 2                                              |            |            |          |            |          | -       |         | <b> </b>  |         |                                                  |             | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |          |              | 8                                                |
| 42/ 41           |                   |                                                  |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  |                                                  |                                                  |          | 3            | 7                                                |
| 40/ 39           |                   | <del> </del>                                     |            |            |          |            |          |         |         | <u> </u>  |         |                                                  | -           | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |                                                  |          | <u>_</u>     | 9                                                |
| 38/ 37           |                   |                                                  |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  |                                                  |                                                  |                                                  |                                                  |          | l            | 7:<br>9:<br>7:                                   |
| 36/ 35           |                   | <del>                                     </del> |            |            |          |            |          |         |         |           | <b></b> | <del>                                     </del> |             | <del> </del>                                     |                                                  |                                                  | <del>                                     </del> |                                                  |          | <del> </del> | 7                                                |
| 34/ 33           |                   |                                                  |            |            |          |            |          |         |         | j         |         |                                                  | 1           |                                                  |                                                  |                                                  | 1                                                | 1 1                                              |          |              | 6                                                |
| Element (X)      |                   | Σχ'                                              |            |            | žχ       |            | X        | •       |         | No. Ob    | ·s.     | <b></b>                                          | <del></del> | <del>1</del>                                     | Mean I                                           | No. of H                                         | ours wil                                         | h Temperat                                       | ure      |              | ئـــــــــــــــــــــــــــــــــــــ           |
| Rel. Hum.        |                   | ^_                                               |            |            |          |            |          |         | _       |           |         | 10                                               | F           | ≤ 32 F                                           | ≥ 67                                             |                                                  | 73 F                                             | = 80 F                                           | × 93     | F            | Total                                            |
| Dry Bulb         |                   |                                                  |            |            |          | $\dashv$   |          |         | _       |           |         |                                                  | 1.          |                                                  | <u> </u>                                         |                                                  |                                                  | <del>                                     </del> | 1        |              |                                                  |
| Wet Bulb         |                   |                                                  |            |            |          | _          |          |         |         |           |         |                                                  |             |                                                  | <del>                                     </del> |                                                  |                                                  | <del> </del>                                     | 1        |              |                                                  |
| Dew Point        |                   |                                                  |            |            |          |            |          |         |         |           |         |                                                  |             |                                                  | <del></del> -                                    |                                                  |                                                  | <del> </del>                                     | +        |              |                                                  |

C FORM 0.26-5 (OLA) REVISED MEYIOUS EXTRONS OF TH

AFETAC FORM 0.26.

| 24112     | M/ | ALMST | ROM   | AFB   | MT/G     | REAT   | FA      | LLS    |      |         | 68-      | 77       |         |               |         |         |         |      |           |          |          | UG                  |
|-----------|----|-------|-------|-------|----------|--------|---------|--------|------|---------|----------|----------|---------|---------------|---------|---------|---------|------|-----------|----------|----------|---------------------|
| * STATION |    |       |       | 5     | TATION N | AME    |         |        |      |         |          |          |         |               | Y       | EAR5    |         |      |           |          | MC       | NTH                 |
|           |    |       |       |       |          |        |         |        |      |         |          |          |         |               |         |         |         |      | PAG       | E 2      |          | ~2000<br>(L. S. T.) |
| Temp      |    |       |       |       |          | WET    | BULB    | TEM    | PER  | ATURE   | DEPR     | ESSION   | (F)     |               |         |         |         |      | TOTAL     | 1        | TOTAL    |                     |
| (F)       | 0  | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8    | 9 - 10 | 111 - 1 | 2 13 - | - 14 | 15 - 16 | 17 - 18  | 19 - 20  | 21 - 22 | 23 - 24       | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Poir            |
| 32/ 31    |    |       |       |       |          |        |         | 1      |      |         | T        | }        |         |               |         |         |         |      |           |          |          | 38                  |
| 30/ 29    |    |       | İ     |       |          |        |         |        |      |         | <u> </u> | <u> </u> | 1       | 1             |         |         | 1       |      |           | <u> </u> | ļ        | 31                  |
| 00107     |    |       |       | 1     | i        |        | 1       |        |      |         |          | 1        |         | Ţ <del></del> | ĭ —     |         | T       | 1    |           | 1        |          | 30                  |

| Dew Point                  |   |       | 7499                 |       | 381        | 33     |          | 7.9          |         | 19      | 27       |     |         | 13.2    |                   | <b>₹</b> |              | <del></del>        | 1        |          | .9          |
|----------------------------|---|-------|----------------------|-------|------------|--------|----------|--------------|---------|---------|----------|-----|---------|---------|-------------------|----------|--------------|--------------------|----------|----------|-------------|
| Wet Bulb                   |   | 281   | 8739                 |       | 509        | 71     | 55.0     | 4.1          | 70      | 9       | 27       |     | _       |         |                   | •1       |              |                    | -        | •-       | 93          |
| Rel. Hum.<br>Dry Bulb      |   | 102   | 537 <u>1</u><br>1553 |       | 344<br>674 | 51     | 72.5     | 20.1<br>10.3 | 48      | 9       | 27<br>30 | ± 0 | -       | 32 F    | ≥ 67<br><b>65</b> |          | 73 F<br>46.7 | 25.                | 2 93 1   | .3       | Total 93    |
| Element (X)                |   | Z x'  | F-17:                |       | ZX         | 25     | <u>X</u> | 7,           |         | No. Ob  |          |     |         | - 00 5  |                   |          |              | Temperat           |          | - 1      | <del></del> |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          |             |
|                            |   |       |                      |       |            |        | <b></b>  |              |         |         |          |     |         |         |                   |          | <u> </u>     |                    |          |          |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              | ·                  | _        |          |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          | <u> </u> |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          | ļ           |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          | ļ           |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          |             |
|                            |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    | ٠        |          |             |
| OTAL                       |   | 2.7   | 3.9                  | 5.5   | 6,4        | 4,9    | 5.4      | 7.8          | 9.1     | 8.6     | 7.9      | 7.8 | 6.6     | 6.7     | 6.3               | 5.3      | 5.4          | 927                | 930      | 927      | 92          |
| 20/ 19<br>18/ 17           |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          | ;           |
| 24/ 23<br>22/ 21           | • |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          | 1           |
| 30/ 29<br>28/ 27<br>26/ 25 |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          | 3<br>3<br>1 |
| 32/ 31<br>30/ 29           |   |       |                      |       |            |        |          |              |         |         |          |     |         |         |                   |          |              |                    |          |          | 3<br>3      |
| (F)                        | 0 | 1 - 2 | 3 - 4                | 5 - 6 | 7 - 8      | 9 - 10 | 11 - 12  | 13 - 14      | 15 - 16 | 17 - 18 | 19 - 20  |     | 23 - 24 | 25 - 26 | 27 - 28           | 29 - 30  | ≥ 31         | TOTAL<br>D.B./W.B. | Dry Bulb | Wet Bulb | Dew Po      |

| Element (X) | Σχ²     | Σχ    | X F        | No. Obs. |       |        | Mean No. o | f'Hours with | Temperatur | •      |       |
|-------------|---------|-------|------------|----------|-------|--------|------------|--------------|------------|--------|-------|
| Rel. Hum.   | 1655371 | 34425 | 37.120.177 | 927      | ± 0 F | 1 32 F | ≥ 67 F     | ≥ 73 F       | ≥ 80 F     | ≥ 93 F | Total |
| Dry Bulb    | 4991553 | 67451 | 72.510.348 | 930      |       |        | 65.6       | 46.7         | 25.0       | 1.3    | 93    |
| Wet Bulb    | 2818739 | 50971 | 55.0 4.170 | 927      |       |        | •1         |              |            |        | 93    |
| Dew Point   | 1627499 | 38133 | 41.1 7.973 | 927      |       | 13.2   |            |              |            |        | ·93   |

## **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS

STATION NAME

2100-2300 PAGE 1

| · · · · · · · · · · · · · · · · · · · |   |                                                  |       |               |          |             |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  | · · · · · ·                                      |             | HOURS (       | L. S. T.                                         |
|---------------------------------------|---|--------------------------------------------------|-------|---------------|----------|-------------|---------|----------|---------------|---------|------------------------------------------------|---------|---------|--------------------------------------------------|----------------|--------|--------------------------------------------------|--------------------------------------------------|-------------|---------------|--------------------------------------------------|
| Temp                                  |   | <del>,</del>                                     |       | <del></del> , |          |             |         |          |               | DEPRE   |                                                |         |         |                                                  |                |        | ,                                                | TOTAL                                            |             | TOTAL         |                                                  |
| (F)                                   | 0 | 1 - 2                                            | 3 - 4 | 5 - 6         | 7 - 8    | 9 - 10      | 11 - 12 | 13 - 14  | 15 - 16       | 17 - 18 | 19 - 20                                        | 21 - 22 | 23 - 24 | 25 - 26                                          | 27 - 28 2      |        | > 31                                             | D.B./W.B.                                        | Dry Bulb    | Wet Bulb      | Dew P                                            |
| 8/ 87                                 | , |                                                  |       |               |          |             |         |          |               |         | _                                              |         |         |                                                  |                | • 1    |                                                  | ] ]                                              | 1           |               | l                                                |
| 2/81                                  |   |                                                  |       |               |          |             |         |          |               |         | •1                                             | •2      |         | •2                                               |                |        |                                                  | 5                                                | 5           |               | ļ                                                |
| 0/ 79                                 |   |                                                  |       |               |          |             |         |          | •1            | • 1     |                                                | • 3     | • 6     |                                                  | •2             | • 1    |                                                  | 15                                               | 15          |               |                                                  |
| 8/ 77                                 |   | <u> </u>                                         |       |               |          |             |         |          |               | .1      | •1                                             | .3      | • 5     |                                                  | •1             |        | <u> </u>                                         | 13                                               | 13          |               |                                                  |
| 6/ 75                                 |   |                                                  |       |               |          | ا ،         | • 1     |          |               | . 3     | .6                                             | 1.0     |         | •2                                               | 1              |        | İ                                                | 22                                               | 22          |               |                                                  |
| 4/ 73                                 |   |                                                  |       |               |          | • 1         | .3      | •2       |               | .5      | 1.5                                            | 4       | .5      |                                                  |                |        | <b> </b> -                                       | 43                                               | 43          | ļ             |                                                  |
| 2/ 71                                 |   | ! !                                              |       | İ             | _        | • 3         | .3      | • 5      | .6            | 1.6     | 1.5                                            | • 2     | , 5     |                                                  |                |        | ļ                                                | 53<br>77                                         | 53<br>77    | <b>i</b> !    | İ                                                |
| 0/ 69                                 |   | <del>  -  </del>                                 |       | - 3           | • 2      | . 4         | .9      |          |               | 3.0     | 1.0                                            | -3      |         |                                                  |                |        |                                                  | 68                                               | 69          | <b> </b>      |                                                  |
| 8/ 67                                 |   |                                                  | . 1   | .3            | • 6      | 1.0         | 1.0     |          | 1.5           | 1.4     | .1                                             | ,1      |         |                                                  |                |        |                                                  | 85                                               | 86          |               |                                                  |
| 4/ 63                                 |   | • 2                                              | • 1   | .4            | 1.1      | 1.8         | 1.4     | 2.6      | 1.1           | •4      | •0                                             |         |         |                                                  |                |        |                                                  | 85                                               | 86          | 5             |                                                  |
| 2/ 61                                 |   | .8                                               | . 2   | 2             | 1.3      | • 6         | 1.7     | 1.3      | 1.0           | .6      |                                                |         |         |                                                  |                |        |                                                  | 72                                               | 72          | 16            |                                                  |
| 0/ 59                                 |   | .4                                               | • 9   | 2.2           | 1,6      | 1.7         | 1.4     | 1.1      | •5            | .1      |                                                |         |         | <del> </del>                                     | <del>  -</del> |        |                                                  | 92                                               | 92          |               | <del>                                     </del> |
| 8/ 57                                 |   | .9                                               | 2.6   | 1.9           | 1.7      | 1.0         |         | 1.2      |               |         |                                                |         |         |                                                  |                |        |                                                  | 96                                               | 96          | 57            | 1                                                |
| 6/ 55                                 |   | . 8                                              | 1.3   | 2.3           | 1,3      | 94          |         |          | •1            |         |                                                |         |         |                                                  |                |        |                                                  | .67                                              | 67          |               |                                                  |
| 4/ 53                                 |   | 9                                                | 1.6   | 1.3           | . 8      | . 8         | .4      | .2       | · •           |         |                                                |         |         |                                                  |                |        |                                                  | 55                                               | 55          | 166           | 4                                                |
| 2/ 51                                 |   | .9                                               | • 5   | 1.1           | , 2      | • 2         |         |          |               |         |                                                |         |         |                                                  |                |        | i – –                                            | 30                                               | 30          |               | !                                                |
| 0/ 49                                 |   | . 9                                              | • 6   |               | 1        | • 6         |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  | 23                                               | 25          |               |                                                  |
| 8/ 47                                 |   | .6                                               | • 6   | • 2           | . 3      | • 1         |         |          |               |         |                                                |         |         |                                                  |                | •      |                                                  | 18                                               | 18          |               | 1                                                |
| 6/ 45                                 |   | .5                                               |       |               |          |             |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  | 7                                                | <u> </u>    |               | 9                                                |
| 4/ 43                                 |   | 1 1                                              |       |               |          | ,           |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  |                                                  |             | 43            |                                                  |
| 2/ 41                                 |   |                                                  |       |               |          |             |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  | ļļ                                               |             | 16            |                                                  |
| 0/ 39                                 |   |                                                  |       | Į             |          |             |         |          |               |         |                                                |         |         | l                                                | i i            |        |                                                  |                                                  |             | 10            |                                                  |
| 8/ 37                                 |   | <del> </del>                                     |       |               |          |             |         |          |               |         |                                                |         |         | <b></b>                                          |                |        | <b> </b>                                         | <del>                                     </del> |             | 3             |                                                  |
| 6/ 35                                 |   |                                                  |       |               |          |             |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  |                                                  |             |               |                                                  |
| 2/ 31                                 |   | <del> </del>                                     |       |               | <u> </u> |             |         |          |               |         |                                                |         |         |                                                  |                |        | <del> </del>                                     | <del>                                     </del> | <del></del> |               |                                                  |
| 2/ 31<br>0/ 29                        |   |                                                  |       |               |          |             |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  |                                                  |             |               |                                                  |
| 8/ 27                                 |   | <del>                                     </del> |       |               |          |             | ļ       |          | <b></b> -     |         |                                                |         |         | <del>                                     </del> | $\vdash$       |        | <del> </del>                                     | <del> </del> -                                   |             | <del>  </del> | ļ <del>-</del>                                   |
| 6/ 25                                 |   |                                                  |       |               |          |             |         |          |               | •       |                                                |         |         |                                                  |                |        |                                                  |                                                  |             |               |                                                  |
| 4/ 23                                 |   |                                                  |       |               |          |             |         |          |               |         |                                                |         |         |                                                  | <del>  -</del> |        | <del>                                     </del> | <del>                                     </del> |             |               |                                                  |
| 2/ 21                                 |   |                                                  |       |               |          |             |         |          |               |         |                                                | ,       |         |                                                  |                |        |                                                  |                                                  |             |               |                                                  |
| 20/ 19                                |   |                                                  |       |               |          |             |         |          |               |         |                                                |         |         |                                                  |                |        |                                                  |                                                  |             |               |                                                  |
| lement (X)                            |   | Σχ²                                              | L     |               | žχ       | <del></del> | X       | •        | <del></del>   | No. Ob  | <u>.                                      </u> |         |         | <u> </u>                                         | Meen Na        | , of H | ours with                                        | Temperatu                                        | 10          |               |                                                  |
| i. Hum.                               |   |                                                  |       |               |          | $\dashv$    |         |          | $\neg   \neg$ |         |                                                | ± 0 F   | : :     | 32 F                                             | ≥ 67 I         |        | 73 F                                             | > 80 F                                           | 2 93        | F ·           | Total                                            |
| y Bulb                                |   |                                                  |       |               |          |             | •       |          |               |         |                                                |         | $\neg$  |                                                  |                | _      |                                                  |                                                  |             |               |                                                  |
| et Bulb                               |   |                                                  |       |               |          |             |         |          |               |         |                                                | ··      |         |                                                  |                | 1      |                                                  |                                                  |             | $\neg$        |                                                  |
| w Point                               |   |                                                  |       |               |          |             |         | <u> </u> |               |         |                                                |         |         |                                                  |                | _      |                                                  | 1                                                |             |               |                                                  |

ATA PROCESSING BRANCH AIR WEATHER SERVICE/MAC

0.26.5 (OL A)

Dew Point

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#### **PSYCHROMETRIC SUMMARY**

THE TOTAL STATE AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPER

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS  STATION NAME | 68-77 YEARS | AUG     |
|------------------|--------------------------------------------|-------------|---------|
|                  |                                            | PAGE 2      | 2100-23 |

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 6.8 8.6 10.2 9.8 11.5 11.3 11.3 9.1 9.1 5.6 2.9 2.3 930 927 TOTAL 927 927 No. Obs. Element (X) Mean No. of Hours with Temperature 49,520,099 62.7 7.602 51.4 4.570 41.3 8.132 2647479 3714434 2471538 927 45907 58348 ≥ 67 F = 73 F = 80 F Rei. Hum. 9.9 29.8 Dry Bulb Wet Bulb 47678 927

12.9

| 112<br>STATION    | <u>MA</u> | LMSTI | KU11  | ST.   | ATION NA      | ME     | TAN      | <u> </u> |          | 68-         |                                                  |         |          | YE       | ARS         |         |      |              |            | AU          | TH      |
|-------------------|-----------|-------|-------|-------|---------------|--------|----------|----------|----------|-------------|--------------------------------------------------|---------|----------|----------|-------------|---------|------|--------------|------------|-------------|---------|
|                   |           |       |       |       |               |        |          |          |          |             |                                                  |         |          |          |             |         |      | PAGE         | 1          | AL HOURS (L |         |
| Temp              |           |       |       |       |               | WET    | BULB 1   | TEMPER   | ATURE    | DEPRE       | SSION (                                          | F)      |          |          | <del></del> |         |      | TOTAL        |            | TOTAL       |         |
| (F)               | 0         | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8         | 9 - 10 | 11 - 12  | 13 - 14  | 15 - 16  | 17 - 18     | 19 - 20                                          | 21 - 22 | 23 - 24  | 25 - 26  | 27 - 28     | 29 - 30 | ≥ 31 | D.B./W.B.    | Dry Bulb   | Wet Bulb    | Dew Pos |
| 5/105             |           |       |       |       |               |        |          |          |          |             |                                                  |         |          | i        |             |         | •0   | 1.           | 1          |             | -       |
| 1/103             |           |       |       | {     |               |        |          |          |          |             |                                                  |         |          |          | <u> </u>    |         | •0   | 3            | 3          |             |         |
| 2/101             |           |       |       |       |               |        |          |          |          |             |                                                  |         |          |          |             |         | •1   | 4            | 4          |             | -       |
| )/ 99             |           |       |       |       |               |        |          |          |          | ļ           |                                                  |         |          |          |             |         | •1   | 10           | 10         |             |         |
| 1/ 97             |           |       |       | ļ     | İ             |        |          |          |          | 1           |                                                  |         | !<br>!   |          | li          |         | • 2  | 16           | 16         | 1           |         |
| / 95              |           |       |       |       |               |        |          |          |          |             | <u> </u>                                         |         |          |          |             | •0      | •4   | 28           | 28         |             |         |
| / 93              |           |       |       |       |               |        |          |          |          | }           |                                                  |         |          |          | ١, ١        | .1      | 1.1  | 90           | 90         | İ           |         |
| 2/ 91             |           |       |       |       |               |        |          |          |          |             |                                                  |         |          | •0       | • 1         | ,3      | 1.2  | 119          | 119<br>134 |             |         |
| 0/ 89<br>3/ 87    |           |       |       | ŀ     | 1             |        |          |          |          |             |                                                  | ^       | ,2       | •1       | •3          | .7      | •9   | 159          | 159        | 1           |         |
| 3/ 87<br>5/ 85    |           |       |       |       |               |        |          |          |          | .0          | <del>                                     </del> | •0      | •2       |          | .6          | • 5     | •1   | 164          | 164        |             |         |
| 1/ 83             |           |       |       | 1     |               |        |          |          |          | 0           |                                                  | •1      | .4       | .8       | .8          | .2      | •1   | 201          | 201        |             |         |
| 2/ 81             |           | i — i |       |       | <del></del> i |        |          | .0       | •0       | .1          |                                                  | •7      | .8       | .8       | ,4          | •2      |      | 240          | 240        |             |         |
| 79                |           |       |       |       |               |        |          | i        | i        | .2          | .6                                               | .7      | 1.0      | .5       | .2          | •0      |      | 251          | 251        | ł           |         |
| 3/ 77             |           |       |       |       |               |        |          | .1       | .3       |             |                                                  | .9      | .5       | •2       |             |         |      | 262          | 262        |             |         |
| 75                |           |       | ļ     |       | į             | •      | .1       | .2       | .6       |             |                                                  | .7      | .3       | _ •2     | İ           |         |      | 269          | 269        |             |         |
| 1/ 73             |           |       |       |       |               | •1     | .1       | .5       | 1.0      | 1.1         | 1.1                                              | •4      | ,2       | •0       | Γ.          |         |      | .342         | 344        |             |         |
| 2/ 71             |           |       |       | •0    | •1            | • 1    | .4       |          | . 8      |             |                                                  | • 3     | .2       |          |             |         |      | 330          | 331        |             |         |
| 0/ 69             |           |       |       | •0    | • 1           | • 4    | •9       |          |          |             |                                                  |         |          |          |             |         |      | -409         | 411        |             |         |
| 3/67              |           |       | • 0   | - 1   | .3            | , 5    | .8       |          | .9       | , 5         |                                                  |         |          |          |             |         |      | 343          | 344        | 2           |         |
| 65                |           | ا ا   | • 1   | • 1   | . 5           | 1.0    |          |          | .8       | .5          |                                                  |         |          |          |             |         |      | 420          | 421        | 43          |         |
| 4/ 63             |           | • 1   | • 1   | • 7   | .8            | 1.2    | 1.2      |          | .8       |             |                                                  |         |          |          |             |         |      | 487          | 488        | 127         |         |
| 2/ 61             |           | .3    | • 3   | 1 3   | 1.0           | • 9    | 1.2      |          |          |             |                                                  |         |          |          |             |         |      | -438<br>-471 | 438<br>471 | 315<br>657  | 1(      |
| 0/ 59<br>8/ 57    |           | .4    | 1.0   | 1.2   | 1,3           | 1.0    | .9       |          |          |             | <del> </del>                                     |         |          |          |             |         |      | 446          | 446        | 931         | 30      |
| 6/ 55             |           | .8    | 1.4   | 1.4   | 1 1           | 1.0    | .5       |          |          |             |                                                  |         | ł        |          |             |         |      | 490          | 490        | 979         | 100     |
| 4/ 53             |           | 1.1   | 1.4   | .9    | 1.0           |        | •2       |          | • •      |             | ├──                                              |         |          |          |             |         |      | 405          | 405        | 977         | 25      |
| 2/ 51             | .0        | 1     |       | . 8   | . 8           |        | . 2      | i        |          | 1           |                                                  |         |          |          |             |         |      | 345          | 345        | 913         | 340     |
| 0/ 49             | •0        |       | 1.5   | .4    | , 3           |        |          |          |          | T           |                                                  |         |          |          |             |         |      | 255          | 255        | 813         | 56      |
| 8/ 47             | •         | .4    | .7    | . 3   | , 3           | . 2    | .0       |          |          |             |                                                  |         |          |          |             |         |      | 143          | 143        | 624         | 68      |
| 6/ 45             |           | .5    | • 3   | • 2   | , 2           |        |          |          |          |             | Ī                                                | l       |          |          |             |         |      | -97          | 97         | 473         | 759     |
| 4/ 43             |           | .2    | •2    | • 1   | • 0           |        |          |          |          |             |                                                  |         |          | <u> </u> |             |         |      | 36           | 36         | 266         | 71!     |
| 2/ 41             |           | • 1   | •0    | •0    | •0            |        |          |          | _        |             |                                                  |         |          |          |             |         |      | 14           | 14         | 158         | 656     |
| 0/ 39             |           | 1     |       | .0    |               |        | <u> </u> | <u> </u> | <u> </u> | <u></u>     | L                                                | <u></u> | <u> </u> | <u> </u> |             |         |      | 9            | 9          | 99          | 721     |
| ment (X)          |           | ΣX,   |       |       | z x           |        | X        | · v      | -        | No. OI      | bs.                                              |         |          |          |             |         |      | h Tempera    |            |             |         |
| l. Hum.           |           |       |       |       |               |        |          |          |          |             |                                                  |         | F        | 1 32 F   | ≥ 67        | F   *   | 73 F | ≥ 80 F       | ≥ 93 F     |             | Total   |
| Bulb              |           |       |       |       |               |        |          | ļ        |          | <del></del> |                                                  |         |          |          |             |         |      |              |            |             |         |
| t Bulb<br>w Point |           |       |       |       |               |        |          |          |          |             |                                                  |         |          |          |             |         |      | <del> </del> |            | <del></del> |         |
| # COINT           |           |       |       |       |               |        |          | <u> </u> |          |             | 1                                                |         |          |          | L           |         |      | <u> </u>     |            |             |         |

ÄIR WEATHER SERVICE/MAC (F) 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29

DATA PROCESSING BRANCH

USAF ETAC

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PSYCH EMETRIC SUMMARY

MALMSTRUM AFB MT/GREAT FALLS
STATION NAME 68-77 ALL HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. M.B. Dry Bulb Wer Bulb Dew Point 623 10 566 462 264 213 28/ 27 2Ó3 100 26/ 25 24/ 23 22/ 21 25 20/ 19 18/ 17 .1 6.0 8.9 8.0 9.0 9.4 8.8 8.7 7.3 6.3 5.8 4.3 3.9 3.3 3.1 2.5 4.7 TOTAL 7432 7432 7432 Element (X) No. Obs. Mean No. of Hours with Tomperature Rel. Hum. 19171888 7432 340454 45.821.937 ± 0 F s 32 F ≥67 F = 73 F = 80 F = 93 F Dry Bulb 34083450 495232 66.612.265 7440 338.1 229.5 128.8 15.2 52.8 5.550 Wet Bulb 392108 7432 20916314 308750 Dew Point 13245608

₹ 9 0.26.5

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 24112 HALMSTROM AFB MT/GREAT FALLS 68-77
STATION NAME 0000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 Wet Eulb Dew Point 78/ 77 74/ 73 72/ 71 3 • 1 70/ 69 .1 .1 9 68/ 67 •1 12 66/ 65 • 3 .2 64/ 63 . 2 15 . 2 23 23 62/61 30 30 60/ 59 53 53 58/ 57 1.0 66 66 56/ 55 1.0 65 ſ. 54/ 53 1.3 1.9 65 1.1 1.9 3.0 1.2 3.0 3.0 1.7 3.2 2.8 2.2 2.2 1.9 85 85 2,0 45 52/ 51 82 1.2 82 54 15 50/ 49 .3 95 95 48/ 47 77 46/ 45 77 111 2.2 2.1 32 65 65 114 44/ 43 39 39 53 122 42/ 41 1.1 62 40/ 39 4.C 62 96 1.8 34 85 2.2 34 38/ 37 1.0 62 19 19 36/ 35  $\overline{111}$ 79 • 9 • 3 .9 1.2 24 24 39 85 34/ 33 15 32/ 31 30/ 29 .6 1.0 15 16 94 80 14 14 .4 24 82 28/ 27 17 . 2 3 40 3 26/ 25 24/ 23 20 • 1 <u> 22/</u> a 20/ 19 18/ 17 900 900 1.012.821.121.017,612.2 8.4 2.7 1.2 TOTAL 900 900 Element (X) No. Obs. Mean No. of Hours with Temperature ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 900 61,516.253 3638677 55327 ± 0 F ≤ 32 F 48.4 8.675 41.9 6.310 34.7 6.919 900 3,6 Dry Bulb 2173933 43539 90 37752 Wet Bulb 1619360 900 6.5 90 900 Dew Point 31234 1126992

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## **PSYCHROMETRIC SUMMARY**

2412 MALMSTROM AFB MT/GREAT FALLS 68-77
STATION NAME
STATION NAME
PAGE 1 0300-0500
HOURS (L. S. T.)

| Temper (F) 0 1 2 3 4 5 6 7 7 9 7 10 11 12 13 14 15 16 17 18 19 7 20 12 12 23 2 42 25 26 27 28 12 9 30 131 05.878.81 Dep Subt West Bulb Dev Pennt 707 AL                                                                        |             |     |                                                  |          |             |          | WET    | 0111 6 3 | ENDER      | ATURE    | DEBCE   | SSION ( | E\           |         |           |              |        |                                                  | -      | TOTAL T     |          | 7074     | $\overline{}$ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|--------------------------------------------------|----------|-------------|----------|--------|----------|------------|----------|---------|---------|--------------|---------|-----------|--------------|--------|--------------------------------------------------|--------|-------------|----------|----------|---------------|
| 72/ 71                                                                                                                                                                                                                         | ·           |     |                                                  |          |             | <u> </u> |        |          |            |          |         |         |              |         | lac a     | .laa         | 100    | 201                                              |        |             | D        |          | <del></del>   |
| 70/ 69                                                                                                                                                                                                                         |             | 0   | 1 . 2                                            | 3 - 4    | 5-6         | 7 - 8    | 9 - 10 | 11 - 12  | 13 - 14    | 15 - 16  | 17 - 18 |         | 21 - 22      | 23 - 24 | 25 - 20   | 3 27 -       | 28 29  | . 30                                             | ≥ 31   | 9.00        | Dry Sulb | MET DUID | Dew Point     |
| 68 / 67                                                                                                                                                                                                                        |             |     | İ                                                |          |             |          |        |          |            |          |         |         | ا            |         | l         |              | ļ      |                                                  |        |             | 4        |          |               |
| 66/ 63                                                                                                                                                                                                                         |             |     |                                                  | <b> </b> |             |          |        |          |            |          |         | • 4     | •2           |         | <u> </u>  | <del> </del> |        |                                                  |        | <del></del> |          |          |               |
| 64/ 63                                                                                                                                                                                                                         |             |     |                                                  | l        |             | _        | _      |          |            | _        | • 1     |         |              |         |           | 1            | ł      | i                                                |        | 1           |          |          | l             |
| C2   C1                                                                                                                                                                                                                        |             |     |                                                  |          |             |          |        |          |            |          | . 2     | • 1     |              |         | <u> </u>  | <del> </del> | -      |                                                  |        |             |          |          |               |
| 60/ 59                                                                                                                                                                                                                         |             |     |                                                  |          |             | • 3      | • 4    | • 3      |            |          | .1      |         |              |         | 1         |              |        | į                                                |        |             |          | <b>i</b> |               |
| 60/ 59                                                                                                                                                                                                                         |             |     |                                                  |          |             | ,4       | ,4     | .6       | ,4         |          |         |         |              |         | <u> </u>  | <del> </del> |        |                                                  |        |             | 21       |          |               |
| 50/ 55                                                                                                                                                                                                                         |             |     |                                                  |          |             | • 7      | • 1    | • 7      | • 4        |          |         |         |              |         |           |              |        |                                                  |        |             |          |          |               |
| 54/53                                                                                                                                                                                                                          |             |     | !                                                | • 2      | .8          | -        |        | .9       | .1         |          |         |         |              |         |           | <u> </u>     |        |                                                  |        |             | 31       | 5        |               |
| 52/51                                                                                                                                                                                                                          | 56/ 55      |     | .1                                               | • 4      |             |          |        |          |            |          | • 2     |         |              |         | 1         | i            |        | - 1                                              |        |             |          |          |               |
| 50/ 49                                                                                                                                                                                                                         |             |     | <u> </u>                                         |          |             |          |        |          |            | .1       |         |         |              |         | <u> </u>  |              |        |                                                  |        |             |          |          |               |
| 50/ 49                                                                                                                                                                                                                         | 52/ 51      |     | .1                                               | . 8      |             |          |        | .4       | .1         |          |         |         |              |         | _         |              |        |                                                  |        | 60          |          | 29       |               |
| 48/ 47                                                                                                                                                                                                                         |             |     | .1                                               | 2.2      | 2.9         | 2,6      | 1.2    | .3       |            |          |         |         |              | L       | <u></u> _ | <u>L</u> _   |        |                                                  |        |             |          |          | 12            |
| 46/ 45                                                                                                                                                                                                                         | 48/ 47      |     | 2.2                                              | 2.3      | 3.4         | 1.7      | 1.1    | • 1      |            |          |         |         |              |         |           |              |        |                                                  |        | 98          |          |          | 16            |
| 44/ 43                                                                                                                                                                                                                         | 46/ 45      | . 1 | 1.8                                              | 2.2      | 3.1         |          | •7     |          |            |          |         |         |              |         | [         |              | 1      |                                                  |        | 89          | 89       | 115      | 42            |
| 40/ 39                                                                                                                                                                                                                         | 44/ 43      | •1  | 1.8                                              | 2.2      | 2.0         | 1,0      |        |          |            |          |         |         |              |         |           |              |        |                                                  |        | 64          | 64       | 106      | 41            |
| 40/ 39                                                                                                                                                                                                                         | 42/ 41      |     | 1.9                                              | 2.8      | 2.0         | . 4      |        |          |            |          |         |         |              |         | i         | 1            |        |                                                  |        | -64         | 64       | 114      | 62            |
| 38/ 37                                                                                                                                                                                                                         | 40/ 39      | .1  | 1.4                                              |          |             | • 1      |        |          |            |          |         |         |              |         |           |              |        |                                                  |        | 58          |          | 94       | 59            |
| 36/ 35                                                                                                                                                                                                                         |             |     |                                                  |          |             |          |        |          |            |          |         |         |              |         |           |              | -      |                                                  |        | 49          | 49       | 85       | 88            |
| 34/ 35                                                                                                                                                                                                                         | 36/ 35      |     |                                                  |          |             |          |        |          |            |          |         |         |              |         |           | T            |        |                                                  |        | 35          | 35       | 73       | 117           |
| 32 / 31                                                                                                                                                                                                                        |             | .6  | 2.1                                              | 1.3      | •2          |          |        |          |            |          |         |         |              |         |           | 1            | -      | - 1                                              |        | 38          | 38       |          |               |
| 30/ 29                                                                                                                                                                                                                         | 32/ 31      |     |                                                  | 1.3      |             |          |        |          |            |          |         |         |              |         |           | T            |        | 1                                                |        | 22          | 22       | 48       | 87            |
| 28/27                                                                                                                                                                                                                          |             |     |                                                  | . 8      |             |          |        |          |            |          |         |         |              |         |           |              | - [    |                                                  |        | 16          | 16       | 24       | 99            |
| 24/ 23                                                                                                                                                                                                                         |             |     |                                                  | .3       |             | ,        |        |          |            |          |         |         |              |         |           |              |        |                                                  |        | 10          | 10       |          | 82            |
| 24/ 23                                                                                                                                                                                                                         |             |     | .3                                               |          | , ,         |          |        |          |            |          |         | 1       | ł            |         |           | Į            |        |                                                  |        | 4           | 4        |          | 37            |
| 20 / 19                                                                                                                                                                                                                        |             |     | • 2                                              |          |             |          |        |          |            |          |         |         |              |         |           |              |        |                                                  |        | 2           | 2        | 7        | 30            |
| 20 / 19                                                                                                                                                                                                                        | 22/ 21      |     | *                                                | 1        |             |          |        |          |            | ţ        |         | l       |              |         | 1         | 1            |        |                                                  |        |             |          | 1        | 23            |
| 10                                                                                                                                                                                                                             | 20/ 19      |     | <del>                                     </del> |          |             |          |        |          |            |          |         |         |              |         |           |              | $\top$ |                                                  |        | 1           |          | T        | 10            |
| 10                                                                                                                                                                                                                             | 18/ 17      |     | }                                                | ļ        |             |          |        |          |            |          |         |         |              | 1       | 1         |              |        |                                                  |        |             |          |          | <b>^3</b> .   |
| TOTAL                                                                                                                                                                                                                          |             |     |                                                  |          |             |          |        |          |            |          |         |         |              |         |           | 1            |        |                                                  |        |             |          |          | 4             |
| Element (X)                                                                                                                                                                                                                    |             | 1.7 | 17.4                                             | 25.9     | 21.4        | 15.9     | 9.0    | 5.0      | 1.1        | 1.3      | .7      | .3      | • 2          |         | 1         |              |        |                                                  |        |             | 900      |          | 900           |
| Element (X)                                                                                                                                                                                                                    |             |     |                                                  |          | 1-7         |          |        |          |            |          | •       |         | 1            | 1       |           |              | 1      |                                                  | _      | 900         |          |          |               |
| Rel. Hum. 4040754 58596 65.115.847 900 10F 132F 267F 273F 280F 293F Total Dry Bulb 1988816 41594 46.2 8.602 900 5.4 55 90 90 Wet Bulb 1525587 36595 40.7 6.467 900 10.7 90                                                     |             |     |                                                  | ļ<br>!   |             |          |        |          |            | 1        |         |         | 1            |         |           |              | -      |                                                  |        |             | •        | '-"      |               |
| Rel. Hum. 4040754 58596 65.115.847 900 10F 132F 267F 273F 280F 293F Total Dry Bulb 1988816 41594 46.2 8.602 900 5.4 55 90 90 Wet Bulb 1525587 36595 40.7 6.467 900 10.7 90                                                     |             |     |                                                  |          | 1           |          |        |          |            | <b> </b> |         |         |              |         | T         | 1            | 1      |                                                  |        |             |          |          |               |
| Rel. Hum. 4040754 58596 65.115.847 900 10F 132F 267F 273F 280F 293F Total Dry Bulb 1988816 41594 46.2 8.602 900 5.4 55 90 90 Wet Bulb 1525587 36595 40.7 6.467 900 10.7 90                                                     | İ           |     |                                                  |          |             |          |        |          |            |          | 1       |         |              |         |           |              | 1      |                                                  |        |             |          |          |               |
| Dry Bulb         1988816         41594         46-2         8.602         900         5-4         5         90           Wer Bulb         1525587         36593         40-7         6.467         900         10-7         90 | Element (X) |     | ZX'                                              |          |             | ZX       |        | X        | <b>7</b> 2 | $\top$   | No. Ol  | s.      | ************ |         |           | Mee          | n No.  | of Hou                                           | rs wit | Temperat    | ure      |          |               |
| Dry Bulb         1988816         41594         46-2         8.602         900         5-4         5         90           Wer Bulb         1525587         36593         40-7         6.467         900         10-7         90 |             |     |                                                  | 0754     | <del></del> |          | 96     |          |            |          | ·Q      | 00      | ± 0          | F       | ± 32 F    |              |        |                                                  |        |             |          | F 1      | Total         |
| Wet Bulb 1525587 36595 40.7 6.467 900 10.7 90                                                                                                                                                                                  | Dry Bulb    |     |                                                  |          |             |          |        |          |            |          |         |         |              |         |           |              |        |                                                  |        | <u> </u>    | 1        |          | 90            |
|                                                                                                                                                                                                                                | Wet Bulb    |     |                                                  |          |             |          |        |          |            |          |         |         |              | $\neg$  |           |              |        | <u> </u>                                         |        |             | 1        | $\neg$   |               |
| Dew Point 1098237 30817 34-2 6-918 900 37-5 90                                                                                                                                                                                 | Dew Paint   |     |                                                  |          |             |          |        | 34.2     | 6.9        | 18       | .9      | 00      |              |         |           |              |        | <del>                                     </del> |        |             | 1        |          | 90            |

#### PSYCHROMETRIC SUMMARY

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77
STATION NAME SEP 0600-0800 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 76/ 75 •1 74/ 73 72/ 71 . 1 4 70/ 69 68/ 67 8 . 1 10 166/ 65 10 64/ 63 29 29 29 29 62/ 61 60/ 59 58/ 57 32 32 .2 46 46 • 2 1.0 1.3 55 55 56/ 55 . 7 2.0 63 63 34/ 53 2.1 20 70 70 2.2 52/ 51 42 70 2.3 50/ 49 70 56 2.4 3.8 88 1.7 1.4 88 67 • 2 48/ 47 25 46/ 45 81 81 122 2.0 67 64 44/ 43 2.8 2.2 67 122 1.2 52 52 64 42/ 41 116 1.2 2.0 38 40/ 39 38 82 107 32 32 38/ 37 63 36/ 35 1.3 37 37 100 2.1 46 1.4 38 38 57 89 34/ 33 . 8 19 19 76 32/ 31 1.2 38 12 á6 12 30/ 29 . 8 24 10 75 28/ 27 1.1 10 16 26/ 25 39 21 24/ 23 • 1 ŻO 22/ 20/ 19 6 18/ 17 16/ 15 1.816.921.620.914.710.6 5.7 3.8 1.8 1.7 900 900 TUTAL 900 900 No. Obs. Mean No. of Hours with Temperature .900

≤ 32 F

4.4

8,9

32.8

Carried Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of th

± 0 F

900

900

900

≥67 F = 73 F = 80 F = 93 F

90

90

90

63.517.052

48.0 9.308 41.9 6.630 35.1 6.878

<u>57121</u>

43197

37671

31565

Rel. Hum.

Wet Bulb

3886735

2151193

1616301

(

USAFETAC

Wet Bulb Dew Point

| STATION        | -11- |       | XU., .     | 51    | ATION NA | REAT       | 1 75   |          |       | 68-    | и       |         |         | YE      | ARS     |           |          | <del></del> |                                       | SE       |                                                  |
|----------------|------|-------|------------|-------|----------|------------|--------|----------|-------|--------|---------|---------|---------|---------|---------|-----------|----------|-------------|---------------------------------------|----------|--------------------------------------------------|
|                |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          | PAGE        | 1                                     | 0900-    | -110                                             |
| Temp           |      |       |            |       |          | WET        | BULB 1 | EMPER    | ATURE | DEPRE  | SSION ( | F)      |         |         |         |           |          | TOTAL       |                                       | TOTAL    |                                                  |
| (F)            | 0    | 1 - 2 | 3 - 4      | 5 - 6 | 7 - 8    |            |        |          |       |        |         | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30   | ≥ J1     | D.B./W.B.   | Dry Bulb                              | Wet Bulb | Dew Po                                           |
| 6/ 85          |      |       |            |       |          |            |        |          |       |        |         | 1       |         |         | •1      | .1        |          | 2           | 2                                     |          |                                                  |
| 2/ 81          |      |       |            |       |          |            |        | . 1      |       |        | • 1     | .1      | •1      | • 3     | ]       |           |          | 7           | 7                                     |          |                                                  |
| 0/ 79          |      |       |            | [     |          | i          |        |          |       |        | . 2     | • 1     | • 7     | .3      | • 1     |           |          | 13          | 13                                    |          |                                                  |
| 8/ 77          |      |       |            |       |          |            |        | .1       | _•1   | -1     | .1      | .3      | .6      | •1      | •1      |           |          | 14          | 14                                    |          |                                                  |
| 6/ 75          |      |       |            |       |          | !          |        |          | • 2   | .7     | • 9     | 1.1     | .3      | j       | İ       |           |          | 29          | 29                                    |          |                                                  |
| 4/ 73          |      |       |            |       |          |            | -1     | • 1      | 1     | ,3     | .7      | .9      | .7      |         |         |           |          | 26          | 26                                    |          |                                                  |
| 2/ 71          |      |       |            |       |          |            | • 2    | . 2      | ,9    |        |         | • 4     |         |         | - 1     |           |          | 48          | 48                                    |          |                                                  |
| 0/ 69          |      |       |            |       |          | • 1        | • 2    | 1.1      | .3    | 2.2    | • 6     | - 6     |         |         |         |           |          | 46          | 46                                    |          | ļ                                                |
| 8/ 67          |      |       |            | j     | _[       | • 2        | • 3    |          | 2.0   |        | • 7     | i       | 1       | Ì       |         |           |          | 51          | 51                                    | 1        |                                                  |
| 6/ 65          |      |       |            |       | • 2      | • 3        | 1.7    |          |       |        |         |         |         |         |         |           |          | 55          | 55                                    |          |                                                  |
| 4/ 63          |      |       |            |       | . 3      | • 6        | 1.1    | 1.7      | 1.4   |        |         | • 2     | l       |         | - 1     | ļ         |          | 53          | 53                                    | 1        |                                                  |
| 2/ 61          |      |       |            |       |          | 9          | 2.3    | 2.2      | . 8   |        |         |         |         |         |         |           |          | 59          | <u>59</u><br>74                       | 5        |                                                  |
| 0/ 59          |      | ] ]   | ار         | • 1   | 101      |            | 2.8    |          | .4    | • 1    | • 1     | ļ       | 1       |         | 1       |           |          | 74          | 63                                    | 11       |                                                  |
| 8/ 57          |      |       | 3          | •6    | 1.0      | 2.8        | 1.6    | .7       | - * • |        |         |         |         |         |         |           |          | 63          | 57                                    | 25       | -                                                |
| 6/ 55          |      | ]     | • 2        | .6    | 1.6      | 1.8        | 1.6    |          | • 1   |        |         |         |         |         |         | 1         |          | 57<br>54    | 54                                    | 58<br>86 |                                                  |
| 4/ 53<br>2/ 51 |      | i     | • <u> </u> | , 9   |          | 1.0        | 404    | •2<br>•3 |       |        |         |         |         |         |         |           |          | 43          | 43                                    | 116      |                                                  |
| 0/ 49          |      | . 8   | . • 9      | . 8   | 1.1      | 9          | • 7    | • 5      |       |        |         |         |         |         |         |           |          | 50          | 50                                    | 127      |                                                  |
| 8/ 47          |      | .7    | 1.7        |       | 4.6.7    |            |        |          |       |        |         |         |         |         |         |           |          | 38          | 38                                    | 124      |                                                  |
| 6/ 43          |      | 9     | . 8        | 1.0   | •8<br>•9 | • 4<br>• 3 | • 2    |          |       |        |         |         | 1       |         |         |           |          | 37          | 37                                    | 95       |                                                  |
| 4/ 43          |      | .7    | • 4        | •6    |          |            | - • •  |          |       |        |         |         |         |         |         |           |          | 16          | 16                                    | 78       |                                                  |
| 2/ 41          |      | 3     | .2         | . 1   | -        | • 1        |        |          |       |        |         | . 1     | 1       | - 1     |         |           |          | 9           | . 9                                   | 63       | '                                                |
| 0/ 39          |      | • 1   | • ó        | . 4   | - 0      |            |        |          |       |        | -       |         |         |         |         |           |          | 10          | 10                                    | 29       | 1                                                |
| 8/ 37          |      | i     | . 8        | . 2   |          |            |        |          |       |        |         | 1       | - 1     | - 1     |         |           |          | io          | io                                    | 18       | li                                               |
| 6/ 35          |      | 1.1   | • 3        |       |          |            |        |          |       |        |         |         |         |         |         |           |          | 13          | 13                                    | 12       | 1                                                |
| 4/ 33          |      | .6    | . 2        | .1    | i        |            |        |          |       |        |         |         |         |         |         |           |          | 8           | 8                                     | 27       | ĺ. <b>"</b>                                      |
| 2/ 31          |      | . 8   | • 4        | .1    |          |            |        |          |       |        |         |         |         |         |         |           |          | 12          | 12                                    | 11       | <del>                                     </del> |
| 0/ 29          |      | 2     | i          |       |          |            |        |          |       |        |         |         |         | į       |         |           |          | 3           | 3                                     | 8        | :                                                |
| 8/ 27          |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          |             | · · · · · · · · · · · · · · · · · · · | 5        |                                                  |
| 6/ 25          |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          | ]           |                                       |          | ;                                                |
| 4/ 23          |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          | i i         |                                       |          |                                                  |
| 2/ 21          |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          | <u> </u>    |                                       |          |                                                  |
| 0/ 19          |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          |             |                                       |          |                                                  |
| 8/ 17          |      |       |            |       |          |            |        |          |       |        |         |         |         |         |         |           |          |             |                                       |          |                                                  |
| ement (X)      |      | Σχ'   |            |       | Σχ       |            | X      | ·,       |       | No. Ob | 4.      |         |         |         | Meon N  | lo. of Ho | ours wit | h Temperat  | ure                                   |          |                                                  |

### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS SEP 68-77 0900-1100 HOURS (L. S. T.) PAGE 2

| Temp           |             |                                                  |                |              |               |              | BULB           |            |              |         |         |          |          |          |            |           |                                                  | TOTAL          |              | TOTAL    |                |
|----------------|-------------|--------------------------------------------------|----------------|--------------|---------------|--------------|----------------|------------|--------------|---------|---------|----------|----------|----------|------------|-----------|--------------------------------------------------|----------------|--------------|----------|----------------|
| (F)            | 0           | 1 - 2                                            | 3 - 4          | 5 - 6        | 7 - 8         | 9 - 10       | 11 - 12        | 13 - 14    | 15 - 16      | 17 - 18 | 19 - 20 | 21 - 22  | 23 - 24  | 25 - 26  | 27 - 28    | 29 - 30   | ≥ 31                                             | D.B./W.B.      | Dry Bulb     | Wet Bulb | _              |
| 16/ 1<br>TOTAL | 5           | 6.2                                              | 8.2            | 7.2          | 10.4          | 13.6         | 14.1           | 11.8       | 8.1          | 7.9     | 5.1     | 3.8      | 2,3      | .8       | .3         | .1        |                                                  | <u> </u>       | 900          |          |                |
|                |             |                                                  |                |              |               |              |                |            |              |         |         |          |          |          |            |           |                                                  | 1900           |              | 900      | Γ              |
|                |             | <del> </del>                                     |                |              |               |              |                |            |              |         |         |          |          | ,        |            |           |                                                  |                |              |          | t              |
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| '              |             |                                                  | 1              |              |               |              |                |            |              | }       |         |          |          |          |            |           |                                                  |                |              |          |                |
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| L              |             |                                                  |                |              |               |              |                |            |              |         |         | ĺ        |          |          |            |           |                                                  |                |              |          |                |
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|                | 1           | .                                                | }              |              |               |              |                | ,          |              |         |         |          |          |          | ,          |           |                                                  | ]              |              |          |                |
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|                |             | ب                                                |                |              | لــــــا      |              | <u> </u>       | أجيا       |              |         |         |          | ·        |          |            | ,         | 1                                                | <u> </u>       |              |          | 1              |
| Element (      | X)          | Σχ¹                                              |                |              | z x           | _            | X              | * <u>*</u> |              | No. Ob  |         |          |          | . 20 = 1 |            |           |                                                  | Tempera        |              |          | <del>-</del> - |
| Dry Bulb       | <del></del> | 230                                              | 8096<br>2386   | <del> </del> | -424<br>-529  | 20           | 47.2<br>58.8   | Hea        | 00           | 9,0     | 00      | ± 0      | <u> </u> | 32 F     | » 67<br>23 |           | 9 . 1                                            | = 80 F         | 2 93 1       |          | Te             |
| Wet Bulb       |             | 366                                              | 2379           | <del> </del> | 426           | <del>3</del> | 47.4           | 4100       | ¥4           | - 7     | 00      |          | x 3      | 2.4      | _ 63       | . 1       | 704                                              | •              | <del>"</del> |          |                |
| Dew Point      |             |                                                  | 9623           |              | 329           | 64           | 36.7           | 043        | <del></del>  |         | 00      |          | a t      | 23.8     |            | ــــلــــ |                                                  | <del> </del>   | -+           |          | _              |

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0.26.5

### **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77
STATION STATION NAME

SEP
MONTH
PAGE 1 1200-1400

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp D.B./W.B. Dry Bulb 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | (F) **231** Wet Bulb Dew Point 96/ 95 • 1 94/ 93 92/ 91 • 2 2 90/ 89 3 .2 88/ 87 •1 .2 9 86/ 85 • 3 23 84/ 83 23 .3 • 7 37 37 82/81 .9 .3 .6 80/ 42 1.1 .8 •1 78/ 77 50 57 57 , 8 76/ 75 2.9 .6 54 54 74/ 73 61 72/ 61 71 1.6 1.6 1,1 70/ 69 1.8 51 51 47 2.0 • 1 47 68/ 67 1.0 66/ 65 1.6 60 60 2.6 73 73 3 .6 62/ 61 1.0 12 45 45 60/ 59 48 .4 58/ 57 1.0 .7 29 29 43 1.3 .7 35 56/ 55 • 7 34 100 3 161 54/ 53 1.0 37 37 2 1.0 .4 .1 26 52/ 51 . 1 ,6 26 106 15 15 123 17 50/ 49 .2 .3 19 27 • 1 19 48/ 47 . 8 97 15 15 51 32 46/ 45 .3 .3 67 60 43 • 1 ٠į 63 6 33 6 42/ 41 8 84 40/ 39 16 97 38/ 13 12 37 13 104 22 36/ 35 13 104 6 14 66 32/ 31 10 7Ž 30/ 29 5 No. Obs. Element (X) 7 Mean No. of Hours with Temperature Rel. Hum. ≤ 0 F ≤ 32 F ≥ 73 F ≥ 80 f ≥ 93 F Dry Bulb Wet Bulb Dew Point

## **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFB MT/GREAT FALLS 68-77

STATION STATION NAME

PAGE 2 1200-1400
HOURS (L. S. T.)

| Temp    | a.          |   |                                                  |              |                                                  |              | WET          | BULB 1                                           | TEMPER.                                          | ATURE   | DEPRE                                            | SSION (      | F)           |              |              |                                                  |                                                  |              | TOTAL        |          | TOTAL          |                                                  |
|---------|-------------|---|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|---------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|----------|----------------|--------------------------------------------------|
| (F)     | · [         | 0 | 1 - 2                                            | 3 - 4        | 5 - 6                                            | 7 - 8        | 9 - 10       | 11 - 12                                          | 13 - 14                                          | 15 - 16 | 17 - 18                                          | 19 - 20      | 21 - 22      | 23 - 24      | 25 - 26      | 27 - 28                                          | 29 - 30                                          | ≥ 31         | D.B./W.B.    | Dry Bulb | Wet Bulk       | Dew Poir                                         |
| 28/     | 27          |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         |                                                  |              |              |              |              |                                                  |                                                  | <u> </u>     |              |          |                | 56                                               |
| 26/     |             |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         | ĺ                                                | ł            |              |              |              |                                                  |                                                  | 1            |              |          |                | 43                                               |
| 24/     | 23          |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         |                                                  |              |              |              |              |                                                  |                                                  |              |              |          |                | 13                                               |
| 22/     |             |   | Į.                                               |              |                                                  |              |              |                                                  |                                                  |         | 1                                                |              |              |              |              |                                                  |                                                  | [            |              |          |                | 18                                               |
| 20/     | 10          |   | <del> </del>                                     |              |                                                  |              |              |                                                  |                                                  |         | <del>                                     </del> |              |              |              |              |                                                  |                                                  |              |              |          | <del> </del>   | 15                                               |
| 18/     | 17          |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         |                                                  |              |              |              |              |                                                  |                                                  |              |              | •        |                | 15                                               |
| OTAL    | **          |   | 27                                               | 5 9          | 4.5                                              | 4.6          | 5.0          | 7.5                                              | 9.9                                              | K 2     | 10.0                                             | 0 0          | 8.0          | 7.2          | 4.0          | 3.7                                              | 1.4                                              | 1.6          |              | 900      | <del> </del>   | 898                                              |
| WINL    | -           |   | 201                                              | 7,0          | 400                                              | 7.0          | ٥٠٠          | ,,,,                                             | 70/                                              |         | 10.0                                             | ***          | 040          | ,,,,         | 770          | 3.,                                              | 204                                              | ***          | 898          | ,,,,     | 898            | "                                                |
|         |             |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         |                                                  |              |              |              |              |                                                  |                                                  |              | 1070         |          | 070            | <del>                                     </del> |
|         |             |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         | }                                                |              |              |              |              |                                                  |                                                  |              |              |          | •              |                                                  |
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|         | 1           |   |                                                  |              |                                                  |              |              |                                                  |                                                  |         |                                                  |              |              |              |              |                                                  |                                                  | 1            |              |          |                |                                                  |
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|         |             |   | <del> </del>                                     | <del> </del> | -                                                | <u>`</u>     | <del> </del> | <del> </del>                                     |                                                  |         | <del> </del>                                     | ļ            | <del> </del> | <del> </del> | <del> </del> |                                                  | ļ                                                |              |              |          | <del> </del>   | <del> </del>                                     |
|         |             |   | ]                                                | 1            |                                                  |              |              |                                                  |                                                  |         |                                                  |              | ĺ            |              |              |                                                  |                                                  |              |              |          | 1              | 1                                                |
|         |             |   |                                                  |              | ļ                                                | ļ            | <del> </del> | <del> </del>                                     |                                                  |         |                                                  |              | <del> </del> |              | <del> </del> |                                                  |                                                  |              |              |          | ļ              | <del> </del>                                     |
|         |             |   |                                                  | -            |                                                  |              | <b>,</b>     | ]                                                | <b>!</b>                                         |         |                                                  |              | ļ            |              |              |                                                  |                                                  |              |              |          |                |                                                  |
|         |             |   | <u> </u>                                         | <del> </del> |                                                  | <del> </del> | ļ.—          | ऻ—                                               |                                                  |         |                                                  |              |              |              | <del> </del> | <u> </u>                                         |                                                  |              |              | ļ        | <b></b>        | <del> </del>                                     |
|         |             |   |                                                  |              |                                                  |              | <u>}</u>     | .                                                |                                                  |         |                                                  |              |              | ļ            |              |                                                  |                                                  | 1            |              |          |                |                                                  |
| Elemen  | t (X)       |   | Σχi                                              |              |                                                  | Z X          |              | X                                                | · Z                                              |         | No. O                                            | . I          | L            |              |              | Mean I                                           | No. of H                                         | ours with    | Tempero      | lure     |                | 1                                                |
| Rel. Hu |             |   |                                                  | 4166         |                                                  | 330          | 76           | 36.8                                             | 17.8                                             | 52      |                                                  | 98           | <b>5</b> 0   | F :          | ± 32 F       | ≥ 67                                             |                                                  | 73 F         | > 80 F       | a 93     | F              | Tetal                                            |
| Dry Bu  |             |   | 397                                              | 4166         |                                                  | 587          | 93           | 63.3                                             | 17.8                                             | 26      | <u> </u>                                         | 00           |              |              | 2            |                                                  |                                                  | 28.2         |              |          | .2             | 9(                                               |
| Wet Bu  |             |   | 224                                              | 4547         | <del>                                     </del> | -445         | 25           | 49.6                                             | 6.4                                              | 13      |                                                  | 98           |              | $\dashv$     | 1,5          |                                                  | <del></del>  -                                   |              |              | :        |                | . 90                                             |
| Dew Po  |             |   |                                                  | 1592         |                                                  | 318          | 00           | 35.4                                             | 7.1                                              | 21      |                                                  | 98           |              |              | 29,7         | <del> </del>                                     |                                                  |              | <del> </del> |          |                | 90                                               |

### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature
≥ 67 F | ≥ 73 F | ≥ 80 F

SEP MALMSTROM AFB MT/GREAT FALLS 68-77 STATION NAME 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | (F) ≥ 31 96/ 95 • 1 2 94/ 93 92/ 91 5 • 6 2 2 90/89 . 1 6 6 88/ 87 19 .3 • 6 86/ 85 29 29 • 3 84/ 83 51 2.3 82/ 81 .3 .3 .9 1.0 • 2 51 45 80/ 79 2.8 . 8 •1 78/ 77 60 60 52 52 76/ 75 1.8 .3 1.2 49 49 74/ 73 .2 49 71 . 8 72/ .8 70/ 69 .6 67 67 . 8 51 51 68/ 67 . 8 2.3 60 60 .7 66/ 65 1.7 56 56 64/ 63 1.1 2.0 54 13 62/ 61 27 • 4 • 5) .7 27 30 607 • 2 30 30 53 57 58/ 56/ 55 .2 .7 32 32 86 34 34 150 53 • Ġ .6 .6 13 21 20 20 20 114 51 . •4 52/ 121 17 17 50/ 49 48/ 47 .6 20 20 95 18 18 77 35 46/ 45 46 43 44/ • 3 58 20 42/ 41 12 12 39 31 40/ 1,1 62 12 27 38/ 37 13 36/ 35 116 34/ 33 112 32/ 31 30/ 29

**≤ 0 F** 

1 32 F

FORM 0-26-5 (OLA) rensed memous Ed.

JSAFETAC FORM C

Rel. Hum.

Dry Bulb Wet Bulb Dew Paint

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS 1500-1700 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp (F) D.B./W.B. Dry Bulb Wet Bulb Dew Poir 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 28/ 27 33 26/ 25 24/ 23 23 24 22/ 21 26 20/ 19 18/ 17 16/ 15 7,4 900 900 8.4 TOTAL 900 900 €. **(** a ತ Element (X) No. Obs. Mean No. of Hours with Temperature 34.217.758 66.712.281 49.8 6.325 34.5 7.522 267 F 273 F 280 F 293 F 1334603 4142788 30757 60054 900 ± 0 F Rel. Hum. 90 900 Dry Bulb 90 900 2264820 Wet Bulb 44788 1119951 31019 Dew Point

AP.

T.

Dry Bulb Wet Bulb Dew Point

#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS 68-77 STATION NAME MONTH 1800-2000 PAGE 1 HOURS (L. S. T.) " WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B./W.B. Dry Bulb Wet Bulb Dew Point × 31 2 92/ 91 88/ 87 86/ 85 84/ 83 3 82/ 81 12 80/ 79 .4 78/ •2 14 77 23 23 75 76/ .6 74/ 73 . 3 1.3 38 30 30 1.3 1.3 69 46 46 70/ 41 41 68/ 67 1.3 48 70 66/ 65 70 64/ 63 71 1,0 71 62/ 61 60/ 59 81 81 16 1.7 61 24 58/ 57 ,6 61 2.6 56 56 56/ 55 50 50 76 54/ 53 45 45 97 52/ 51 30 50/ 49 .6 30 134 39 39 110 48/ 47 46/ 45 1.1 42 42 105 1.0 22 22 85 44/ 43 42/ . 3 51 41 64 17 51 40/ 39 38/ 37 28 6 83 30 36/ 35 18 18 110 34/ 33 18 įÕ7 14 57 30/ 29 10 65 28/ 27 42 26/ 25 33 24/ 23 Element (X) Meen No. of Hours with Temperature

± 32 F

#### **PSYCHROMETRIC SUMMARY**

A SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIAN SOLITANIA

MALMSTROM AFB MT/GREAT FALLS
STATION NAME 68-77 SEP 1800-2000 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 22/ 21 20/ 19 23 13 6 18/ 17 .2 4.9 7.9 5.9 9.8 11.8 14.2 12.2 11.3 7.4 5.6 3.9 2.3 1.4 900 900 • 3 TOTAL • 6 900 900 ·x\_ Z x 2 , X No. Obs. Element (X) Mean No. of Hours with Temperature 2082792 3221160 40002 44.418.414 52920 58.811.035 ×67 F = 73 F = 80 F = 93 F Rel. Hum. 900 ₹ 32 F 900 90 .. 5 21.8 10.1 Dry Bulb 42101 -45.8 6.494 900 90 Wet Bulb 2007345 2.6

31429

34.9 7.422

# C 40-1 10 F.M. IN INC. |

Dew Point

1

()

1)

## **PSYCHROMETRIC SUMMARY**

| Temp        |     |       |              |              |       | WET                | BULB '       | TEMPER  | ATURE   | DEPRE        | SSION (      | F)                                               |               |              |         |          |              | TOTAL          |              | TOTAL                                            |              |
|-------------|-----|-------|--------------|--------------|-------|--------------------|--------------|---------|---------|--------------|--------------|--------------------------------------------------|---------------|--------------|---------|----------|--------------|----------------|--------------|--------------------------------------------------|--------------|
| (F)         | 0   | 1 - 2 | 3 - 4        | 5 - 6        | 7 - 8 | 9 - 10             | 11 - 12      | 13 - 14 | 15 - 16 | 17 - 18      | 19 - 20      | 21 - 22                                          | 23 - 24       | 25 - 26      | 27 - 28 | 29 - 30  | ≥ 31         | D.B./W.B.      | Dry Bulb     | Wet Bulb                                         | Dew Point    |
| 78/ 77      |     |       |              |              |       | ٠                  |              |         |         |              |              |                                                  |               | .2           |         |          |              | 2              | 2            |                                                  |              |
| 74/ 73      |     |       |              | İ            |       |                    | _            |         |         | .1           | İ            | .3                                               | .1            |              |         | _        | 1            | 5              | 5            |                                                  |              |
| 72/ 71      |     |       |              |              |       |                    | .2           | •1      | ,2      | • 1          |              |                                                  |               |              |         |          | ĺ            | 6              | 6            |                                                  |              |
| 70/ 69      |     |       |              |              |       | , •                | .2           | .2      | .1      | .1           | .7           | . 1                                              |               |              |         |          | ļ            | 13             | 13           |                                                  |              |
| 68/ 67      |     |       |              |              |       | • 3                | • 2          | • 4     | .3      |              |              |                                                  |               |              |         |          |              | 19             | 19           |                                                  |              |
| 66/ 65      |     |       |              |              | • 2   |                    | .4           | .3      | .9      | , 3          |              |                                                  |               |              |         |          | <u> </u>     | 27             | 27           |                                                  |              |
| 64/ 63      |     |       |              |              |       | •4                 | •4           | 1.2     |         |              | •2           |                                                  |               | 1            | 1       |          |              | 36             | 36           |                                                  |              |
| 62/61       |     |       |              | • 1          | •6    |                    |              | 1.1     | .7      |              |              |                                                  |               |              |         |          |              | 37             | 37           |                                                  |              |
| 60/ 59      |     |       |              | • 6          | 1.2   |                    |              | .8      | .6      |              | .1           |                                                  |               |              |         |          | ŀ            | 60             | 60           | 4                                                |              |
| 58/ 57      |     |       | • 3          | . 8          | 1.6   |                    |              |         | .1      |              |              |                                                  |               | ļ            |         |          | <u> </u>     | .65            | 65           | 6                                                |              |
| 56/ 55      |     | • 1   | •7           |              | 1.6   | 2.0                |              |         |         | 1            | ŀ            |                                                  |               |              |         |          |              | 79             | 79           | 16                                               |              |
| 54/ 53      |     | • 1   | • 3          |              | 1,6   |                    | 2.6          |         |         | L _          | ļ            |                                                  |               | <u> </u>     |         |          |              | 85             | 85           | 33                                               | 2            |
| 52/ 51      |     | • 3   | . 8          |              | 1.8   |                    | •6           | •2      |         | 1            |              |                                                  |               |              |         |          |              | 67             | 67           | 49                                               | 10<br>19     |
| 50/ 49      |     | .3    | 1.3          | 2.7          | 2,3   |                    |              | • 2     |         | ļ            | <del></del>  |                                                  |               | ļ            |         |          | <u> </u>     | 88             | 88           | 97                                               | 19           |
| 48/ 47      |     | 1.6   |              | j            |       | • 4                |              |         |         | 1            | ļ            |                                                  |               |              |         |          |              | 64             | 64           | 105                                              | 18           |
| 46/ 45      |     | .8    | 1.0          |              |       | • 2                |              |         |         | ļ            | ļ            | ļ                                                |               |              |         |          | ļ            | 45             | 45           | 111                                              | 49           |
| 44/ 43      |     | •7    |              |              |       |                    |              | ļ       |         | ļ.           |              |                                                  |               |              |         |          |              | 46             | 46           | 124                                              | 55           |
| 42/41       |     | .8    | . 8          | 1.3          | , 9   |                    | ļ            |         |         | [            |              |                                                  |               |              |         |          |              | 34             | 34           | 88                                               | 58           |
| 40/ 39      | _   | •6    |              | .9           | • 6   | 1                  | ļ            | İ       |         | İ            |              |                                                  |               |              |         |          | i            | 37             | 37           | 76                                               | 74           |
| 38/ 37      | 3   |       |              | .3           |       |                    |              |         |         | ļ            |              | <u> </u>                                         |               | ļ            |         |          |              | 22             | 22           | 51                                               | 73           |
| 35/ 35      |     | •6    |              |              |       | '                  |              |         |         | ļ            |              |                                                  |               |              |         |          | 1            | 12             | 12           | 53                                               | 105          |
| 34/ 33      | . 4 |       | .9           | .1           |       | <b> </b> -         | <b> </b>     |         |         | <u> </u>     |              | <u> </u>                                         |               |              |         |          | <del> </del> | 23             | 23           | 33                                               | 80           |
| 32/ 31      |     | • 6   |              |              |       | l                  | 1            |         |         | 1            |              | 1                                                |               |              |         |          | j            | 15             | 15           |                                                  | 95           |
| 30/ 29      |     | • 7   |              |              |       | <b> </b> -         | ļ            | <b></b> |         | <del> </del> | <del> </del> | <del>                                     </del> |               | <del> </del> |         |          | 1            | 7              | 7            |                                                  | 70<br>81     |
| 28/ 27      | • 2 |       |              |              |       | ļ .                | l            | ŀ       |         | 1            | 1            | 1                                                |               | İ            |         |          |              | 5              | 5            | 18                                               | 51           |
| 26/ 25      |     | • 1   | <b> </b>     |              |       | <del> </del>       | <del> </del> | <b></b> |         | <del>├</del> | <del> </del> | <del> </del>                                     |               | <del> </del> |         |          | -            | <del> </del>   |              | 2                                                | 19           |
| 24/ 23      |     |       |              |              |       |                    |              |         |         |              |              |                                                  | 1             |              |         |          |              | 1              |              | ]                                                | 23           |
| 22/ 21      |     |       |              | ļ            |       | <del> </del>       |              |         |         |              | <del> </del> |                                                  | ļ             | <del> </del> |         |          |              | <del> </del>   | <del> </del> | <del> </del>                                     | 17           |
| 20/ 19      |     | l     |              |              |       | '                  |              |         |         |              |              |                                                  |               |              |         |          |              |                | 1            | i .                                              | , ,          |
| 18/ 17      | 1.0 | 0 2   | 34.0         | 16.2         | 15.0  | 15.2               | 11.8         | 7.2     | 4.0     | 2.7          | 1.1          | .4                                               | ,1            | •2           |         |          | <del> </del> | <del> </del> - | 900          | <del>                                     </del> | 900          |
| TOTAL       | 1.0 | 7,3   | 1.4.0        | 20.3         | 2249  | 1296               | 1.09         | ′•¢     | 7.0     | ~ • •        | 1.1          | ,,,                                              | • •           | 1 .5         |         |          |              | 1900           | ,,,,         | 900                                              | 700          |
|             |     |       | <del> </del> | <del> </del> |       | <del> </del>       | <del> </del> |         |         | ┼            |              |                                                  |               |              |         |          |              | 1700           | <del> </del> | 700                                              | <del> </del> |
|             |     |       |              |              |       |                    | İ            |         |         |              |              |                                                  |               |              |         |          |              | ľ              |              | -                                                | 1            |
| Element (X) |     | Σχ²   | <u> </u>     |              | ZX    | <del>'      </del> | X            | •,      |         | No. OI       | s.           | ·                                                | ·             |              | Mean N  | lo. of H | ours wit     | h Tempero      | ture         | ·                                                | <del></del>  |
| Rei. iium.  |     |       | 6325         |              | 503   | 43                 |              | 17,6    |         |              | 00           | ≤ 0                                              | F             | ≤ 32 F       | ≥ 67    |          | 73 F         | ≥ 80 F         | × 93         | F .                                              | Total        |
| Dry Bulb    |     | 246   | 3245         |              | 463   |                    | 31.3         | 9.3     | 93      |              | 00           |                                                  | $\neg \vdash$ | 2.8          |         | .5       | •7           |                |              |                                                  | 90           |
| Wet Bulb    |     |       | 9437         |              | .391  |                    |              | 6.4     |         |              | 00           |                                                  |               | 5.4          |         | $\neg$   |              |                |              |                                                  | 90           |
| Dew Point   |     |       | 0865         |              | -313  | 71                 | 34.9         | 7.2     | 59      | 9            | 00           | -75                                              |               | 35,7         |         |          |              | 1              | 1            |                                                  | 90           |

## **PSYCHROMETRIC SUMMARY**

| Temp        | T            |               |       |       |                | WET         | 9111 8 7   | ENDER    | ATURE   | DEPOS        | SSION (  | EV                                               |          |              |         |                                                |                                                  | TOTAL       | r        | TOTAL                                            |              |
|-------------|--------------|---------------|-------|-------|----------------|-------------|------------|----------|---------|--------------|----------|--------------------------------------------------|----------|--------------|---------|------------------------------------------------|--------------------------------------------------|-------------|----------|--------------------------------------------------|--------------|
| (F)         | 0            | 1 - 2         | 3 - 4 | 5 - 6 | 7 . 8          |             |            |          |         |              |          | 21 - 22                                          | 22 . 24  | 25 . 26      | 27 20   | 20 30                                          | ≥ 31                                             | D.B./W.B.   | Des Buth |                                                  | Dew Point    |
| 96/ 95      | - <u>`</u> - | 1             |       | 3.0   | <del>/</del>   |             |            | 13 1 14  | 13 - 10 | 17 - 10      | 17 - 20  | 21.22                                            | 23 - 24  | 23 - 20      | 27 . 20 | 27 - 30                                        | •0                                               | 2           | 2        | 1.41 0010                                        | Dew 1 01111  |
| 94/ 93      |              |               |       |       | ļ              |             |            |          |         | İ            |          | ĺ                                                |          | l            |         |                                                | .0                                               | 3           | 3        |                                                  | l            |
| 92/ 91      |              |               |       |       | <del> </del>   |             |            | -        |         | <del></del>  |          | <del> </del>                                     |          | <b> </b>     |         |                                                |                                                  | 9           | 9        | <del> </del>                                     | <del> </del> |
| 90/ 89      | [            | 1             |       |       | 1              |             |            |          |         |              |          |                                                  | İ        |              | _       |                                                | 1 •1                                             | 5           | 5        |                                                  |              |
| 88/ 87      | <del> </del> | <del>  </del> |       |       | <del> </del> - |             |            |          |         | <del> </del> |          | <del>                                     </del> |          | <del>-</del> | •0      | _                                              | •0                                               | <del></del> | 11       | <del> </del>                                     | <del> </del> |
| 86/ 85      | 1            |               |       |       | l              |             |            |          |         |              | ١,       | ١                                                | _ ^      | •0           | •0      |                                                |                                                  | 31          | 31       |                                                  |              |
| 84/ 83      | <del> </del> | <del>- </del> |       |       |                |             |            |          |         | .0           | -1       | •0                                               | •0       | •1           | •1      | 1 1                                            |                                                  | <del></del> | 55       | <del> </del>                                     | <del></del>  |
| 82/ 81      |              | 1 1           |       |       | l              | 1           |            | .0       | •0      |              | 1        | 1                                                | •1<br>•2 | •1           | •1      |                                                | •0                                               |             | 101      | ł                                                | 1            |
| 80/ 79      | †            |               |       |       |                | $\neg \neg$ |            |          | •       | .0           | .1       | •2                                               |          | 16           | •2      |                                                |                                                  |             | 112      | <b></b>                                          | <del> </del> |
| 78/ 77      | ļ            |               |       | l     |                |             |            | •0       | •0      |              | :i       | 3                                                | 8.       | ,3           | .2      | .0                                             |                                                  | 141         | 141      |                                                  | l            |
| 76/ 75      |              | 1             |       |       |                |             |            | •0       |         |              | .4       |                                                  |          |              | •0      | •                                              |                                                  | 162         | 162      | <del>                                     </del> | <del></del>  |
| 74/ 73      |              |               |       |       |                |             | •0         | .1       | .2      | .4           |          |                                                  | -4       | .1           | ''      | "                                              |                                                  | 176         | 176      | İ                                                |              |
| 72/ 71      |              |               |       |       |                |             | • 1        | .2       | .5      |              |          |                                                  |          | •0           |         |                                                |                                                  | 201         | 201      | <del>                                     </del> |              |
| 70/ 69      | 1            |               |       |       | - 1            | • 0         | . 2        | .4       |         |              |          |                                                  | l ii     | '            | i       | ĺ                                              | 1                                                | 234         | 234      | İ                                                | ĺ            |
| 68/ 67      |              |               |       |       |                | , 1         | • 2        | • 6      |         |              | .5       | .1                                               | .0       |              |         |                                                |                                                  | 227         | 227      | 1                                                |              |
| 66/ 65      | ļ            |               |       | ļ     | •1             | 3           | .6         | . 8      |         | .8           | ,3       | .0                                               |          | l            |         |                                                | 1                                                | 282         | 282      | 9                                                | 1            |
| 64/ 63      |              |               |       | •0    | . 2            | .4          | •7         | 1.3      |         |              |          |                                                  | i        |              |         | 1                                              | <del>                                     </del> | -346        | 346      | 8                                                |              |
| 62/ 61      |              |               |       | . 1   | . 4            | • 6         | 1.1        | 1.3      | . 8     |              |          |                                                  |          |              |         |                                                |                                                  | .339        | 339      | 35                                               | ]            |
| 60/ 59      | Ì            |               | • 0   | .3    | .7             | 1.0         | 1.5        | .9       | .7      |              |          |                                                  |          |              |         |                                                | 1                                                | .373        | 374      | 79                                               | 1            |
| 58/ 57      | <u> </u>     |               | • 2   | .6    | . 9            | 1.3         | 1.2        | . 8      | ,2      |              | <u> </u> | ] :                                              | ĺ        | []           | [       |                                                | [                                                | .378        | 378      | 165                                              | 1            |
| 56/ 55      | 1            | •1            | . 5   | • 9   | 1.0            | 1.4         | 1.4        | . 5      | .3      | ₹.0          | 1        |                                                  |          |              |         |                                                |                                                  | .434        | 435      | 327                                              | 5            |
| 54/ 53      | <u> </u>     | •0            | . 4   | 1.0   | 1.4            | 1.8         | 1.1        | . 3      | .1      |              | <u> </u> |                                                  | l        |              |         |                                                |                                                  | 438         | 438      | 565                                              | 12           |
| 52/ 51      | 1            | • 2           | . 9   | 1.2   | 1.7            | 1.2         | . 5        | • 1      |         |              |          |                                                  |          |              |         |                                                |                                                  | -416        | 416      | 598                                              | 66           |
| 50/ 49      |              | .4            | 1.2   | 1.6   | 1.5            | 1.0         | . 3        | • 1      |         |              |          | <u> </u>                                         |          |              |         |                                                | <u> </u>                                         | .436        | 436      | 750                                              | 140          |
| 48/ 47      | ļ            | 1.0           | 1.4   | 1.8   | 1.3            | • 6         | . 2        |          |         |              |          |                                                  |          |              |         |                                                |                                                  | -461        | 461      | 735                                              | 174          |
| 46/ 45      |              |               | 1.1   | 1.6   | 1,2            | • 5         | <u>•</u> 0 |          |         | <u> </u>     |          |                                                  |          |              |         |                                                | L                                                | .404        | 404      | 787                                              | 318          |
| 44/ 43      | •            |               |       | 1.2   | • 5            | • 1         |            |          |         |              |          |                                                  |          | l            |         |                                                |                                                  | 292         | 292      | 742                                              | 444          |
| 42/ 41      | <u> </u>     | .7            | 1.0   | .9    | ,4             |             |            |          |         |              |          |                                                  |          |              |         |                                                | <u> </u>                                         | 215         | 215      | 607                                              | 459          |
| 40/ 39      |              | .6            | 1.9   |       | • 2            |             |            |          |         |              |          | · _                                              | ]        |              |         |                                                |                                                  | :242        | 242      | 475                                              | 613          |
| 38/ 37      | •            |               | 1.4   | .3    | -0             |             |            |          |         |              | L        |                                                  |          |              |         | L                                              |                                                  | 180         | 180      | 331                                              | 709          |
| 36/ 35      | •            | 1 .9          | •6    | . 4   | ľ              |             | -          |          |         | _            |          |                                                  |          |              |         |                                                |                                                  | 148         | 148      | 342                                              | 803          |
| 34/ 33      | •            |               | . 8   |       |                |             |            |          |         |              |          | L                                                |          |              |         | l                                              | L                                                | 159         | 159      | 248                                              | 741          |
| 32/ 31      | •            |               | •7    | •0    |                | · · ·       |            |          |         |              |          |                                                  |          |              |         |                                                |                                                  | 90          | 90       | 167                                              | 710          |
| 30/ 29      |              |               | • 2   |       |                |             |            |          |         | <u> </u>     | <u></u>  |                                                  |          | <u> </u>     |         |                                                |                                                  | :53         | 53       | 113                                              | 589          |
| Element (X) |              | Σχ'           |       |       | ξ X            |             | X          | <b>₹</b> |         | No. Ob       | 8.       |                                                  |          |              | Meen I  | No. of H                                       | ours with                                        | h Temperat  | ture     |                                                  |              |
| Rel. Hum.   |              |               |       |       | <del></del>    |             |            |          |         |              |          | 20                                               | F :      | 32 F         | ≥ 67    | F 2                                            | 73 F                                             | ≥ 80 F      | ≥ 93 1   | F                                                | Tetal        |
| Dry Bulb    | <u> </u>     |               |       |       |                | <u> </u>    |            |          |         |              |          |                                                  |          |              |         | <u>.                                      </u> |                                                  |             |          |                                                  |              |
| Wet Bulb    |              | <del> </del>  | ·     |       |                |             |            |          |         |              |          |                                                  |          |              |         |                                                |                                                  |             |          |                                                  |              |
| Daw Point   | l            |               |       |       |                | .           |            |          |         | _            | T        |                                                  |          |              |         |                                                |                                                  |             |          |                                                  |              |

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS
STATION NAME 68-77 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 28 578 28/ 27 83 26/ 25 9 19 308 10 169 24/ 23 22/ .21 175 98 20/ 19 .0 18/ 17 16/ 15 Ż9 11 7198 .7 9.113.712.711.610.2 9.1 7.3 6.8 5.4 3.8 3.2 2.5 1.7 TOTAL 7198 7198 Element (X) Mean No. of Hours with Temperature 51.120.783 55.512.835 45.2 7.279 35.0 7.123 267 F 273 F 280 F 293 F 21892148 7198 Rel. Hum. ± 0 F 1 32 F 7200 720 23338400 399372 18.5 147.0 Dry Bulb 720 7198 39,4 15079776 Wet Bulb 325268 266,8 9203894 252232

RODE TO REMEDIATE SEAT TO

Auto 18 Marie 18 Carrier Landson

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0.26-5 (OL A) NEWSTO METWOUS EDITIONS OF THIS FOR

## **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION |     |     |          | 51  | ATION N | AME    | FAL      | <del></del>                             |         | <u>68≖'</u> | <u> </u> |           |         | YE      | ARS       |        |      |           |          | BC       |         |
|-----------------|-----|-----|----------|-----|---------|--------|----------|-----------------------------------------|---------|-------------|----------|-----------|---------|---------|-----------|--------|------|-----------|----------|----------|---------|
|                 |     |     |          |     |         |        |          |                                         |         |             | •        |           |         |         |           |        |      | PAGE      | 1        | HOURS (E | . 5. T. |
| Temp            |     |     |          |     |         | WET    | BULB 1   | EMPER                                   | ATURE   | DEPRE       | SSION (F | •)        |         |         |           |        |      | TOTAL     | ·        | TOTAL    |         |
| (F)             | 0   | 1 2 | 3 - 4    | 5 6 | 7 - 8   | 9 - 10 | 11 - 12  | 13 - 14                                 | 15 - 16 | 17 - 18     | 19 - 20  | 21 - 22 2 | 23 - 24 | 25 - 26 | 27 - 28 2 | 9 - 30 | ≥ 31 | D.B./W.B. | ory Bulb | Wet Bulb | Dew F   |
| 6/ 65           |     |     |          |     |         |        |          |                                         | • 1     | .1          |          |           |         |         |           |        |      | 2         | 2        |          |         |
| 64/ 63          |     | ļ   |          |     |         |        |          | j                                       | .2      | .1          | .1       |           | .1      |         |           |        |      | 5         | 5        |          |         |
| 2/ 61           |     |     |          |     |         |        |          | • 1                                     | •1      | •4          | •1       | ,1        |         |         |           | Ī      |      | 8         | 8        |          |         |
| 0/ 59           | 1   |     | -        |     |         | . •1   |          | .1                                      | .5      |             |          | `         | - 1     | 1       |           | ļ      |      | 7         | 7        |          |         |
| 58/ 57          |     |     |          |     |         | • 5    | .8       | 1.1                                     | .3      |             |          |           |         |         |           |        |      | 25        | 25       |          |         |
| 6/ 55           | !   |     |          | • 1 |         | • 9    | 1.5      | .5                                      | .1      |             |          |           |         | 1       |           | !      |      | 29        | 29       |          |         |
| 54/ 53          |     |     |          | •1  | , 3     | 1.2    | 1.7      | .5                                      |         |             |          |           |         |         |           |        |      | 36        | 36       | i        |         |
| 2/ 51           |     |     | . 8      | . 2 | ,9      | 1.6    | 2.0      | .2                                      | .1      |             |          |           |         |         |           |        |      | 54        | 54       |          |         |
| 0/ 49           |     | • 1 |          | .9  | 2.2     | 1.4    | .4       | .1                                      |         |             |          |           |         |         |           |        |      | 47        | 47       | 4        |         |
| 8/ 47           |     |     | . 1      | 1.1 | 2.8     | 1.3    | • 2      | .1                                      |         |             |          |           |         |         |           |        |      | 52        | 52       | 20       |         |
| 6/ 45           |     |     | .4       | 2.3 | 3.0     | 1.1    |          |                                         |         |             |          |           |         |         |           |        |      | 63        | 63       | 33       |         |
| 4/ 43           | - 1 | .9  | .6       | 2.8 | 1.6     | 5      |          |                                         |         |             |          |           |         |         |           |        |      | 61        | 61       | 73       |         |
| 2/ 41           |     | . 8 | 1.4      | 2.5 | 1.3     |        | • 1      |                                         | Ì       |             | Ī        | Ī         | Ī       |         |           |        |      | 56        | 56       | .85      |         |
| 10/ 39          |     | 1.2 | 2.3      | 1.9 | 1,3     |        |          |                                         |         |             |          |           |         |         |           |        |      | 63        | 63       | 96       |         |
| 38/ 37          |     | 1.8 | 2.7      | 2.0 | •3      | ·      |          |                                         |         | i           |          |           |         |         | j         |        |      | -64       | 64       | 91       |         |
| 36/ 35          | . 1 | 1.7 | 2.9      | 1.5 | •2      |        |          |                                         |         |             |          |           |         |         | i         |        |      | .60       | 60       | 93       |         |
| 34/ 33          | • 1 | 2.6 | 2.7      | 1.1 | • 2     |        |          |                                         |         |             |          |           |         |         |           |        |      | 62        | 62       | 74       |         |
| 32/ 31          | . 2 | 2.6 | 2.5      | .4  |         |        |          |                                         |         |             |          |           |         | l       |           |        |      | 53        | 53       | 96       |         |
| 30/ 29          | . 1 | 3.0 | 2.3      | . 5 |         |        | i        |                                         | j       |             |          |           |         |         |           |        |      | 55        | 55       | 65       | 1       |
| 28/ 27          | • 9 | 1.3 | • 6      | • 2 |         |        |          |                                         |         | i           |          |           | i       |         |           | i      |      | 28        | 28       | 63       | 1       |
| 26/ 25          | •6  | 2.2 | . 9      | . 2 |         | ٠.     | İ        |                                         |         |             | 1        |           | 1       |         |           |        | ·    | 36        | 36       | 34       |         |
| 24/ 23          | ,6  | 2.0 | . 2      |     |         |        |          |                                         |         |             |          |           |         |         |           |        |      | 27        | 27       | 42       |         |
| 22/ 21          | .4  | 1.0 | • 2      |     |         |        |          |                                         |         | - 1         |          | 1         |         | - 1     |           | ŀ      |      | 15        | 15       | 30       |         |
| 20/ 19          | .3  | .3  |          |     |         |        |          |                                         |         |             |          |           |         |         |           |        |      | 6         | 6        | 12       |         |
| 18/ 17          | İ   | . 3 | l        |     |         | .      | 1        |                                         |         |             |          | - 1       | ļ       | - 1     |           |        |      | 3         | 3        | 4        |         |
| 16/ 15          |     | . 3 |          |     |         |        | <u> </u> |                                         |         |             |          |           |         |         |           |        |      | 3         | 3        | 4        |         |
| 14/ 13          | l   | . 1 |          |     |         |        |          |                                         |         | ļ           | l        |           |         |         |           |        |      | 1         | 1        | 2        |         |
| 12/ 11          |     | -1  |          |     |         |        |          |                                         |         |             |          |           |         |         |           |        |      | 1         | 1        | 1        |         |
| 10/ 9           |     | • 2 | i        |     |         |        |          |                                         |         |             |          |           |         | Ī       |           |        |      | 2         | 2        | 2        |         |
| 8/ 7            |     |     |          |     |         |        |          |                                         |         |             |          |           |         |         |           |        | _    |           |          |          |         |
| 6/ 5            | 1   | 1   |          |     | ĺ       | İ      |          |                                         |         | İ           |          | 1         |         | ļ       |           |        |      |           | ا _      | į        |         |
| 4/ 3            |     | •3  |          |     |         | ,      |          | لــــــــــــــــــــــــــــــــــــــ |         |             |          |           |         |         |           |        |      | 3         | 3        | 1        |         |
| 2/ 1            | • 1 |     |          |     |         | ٠.     |          |                                         |         |             |          | - 1       | ĺ       |         | - 1       |        |      | 1         | 1        | 3        |         |
| 0/ -1           | 1   |     | <b> </b> |     | l       | l      |          | 1 1                                     |         |             |          | 1         | - 1     |         | 1         | - 1    |      | 1         |          | , ,      |         |

4 0.26-5 (OL A) revised meyous enrions of

ETAC FOLM 0.26.5

Dry Bulb Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC DC \* 24112 MALMSTROM AFB MT/GREAT FALLS
STATION NAME

STATION NAME 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) -2/ -3 -4/ -5 930 3.922.820.517.814.1 8.7 6.8 2.8 1.5 930 TUTAL 930 930 0 ₹ ತ Meon No. of Hours with Temperature Element (X) 3919669 1583060 1.52416 62.318.159 Rel. Hum. 930 ≤ 32 F 930 23,6 37070 Dry Bulb 73 34,4 7,689 26,7 7,177 Wet Bulb 31948 930 36,1 Dew Point 930 711540

### **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 68-77

STATION STATION NAME PAGE 1 0300-0500
HOURS (C. S. T.)

|             |           |       |       |       |       |         |         |                |         |          |         |          |         |          |         |          |           |             |          | HOURS (  | S. T.)         |
|-------------|-----------|-------|-------|-------|-------|---------|---------|----------------|---------|----------|---------|----------|---------|----------|---------|----------|-----------|-------------|----------|----------|----------------|
| Temp        |           |       |       |       |       |         |         | EMPER          |         |          |         |          |         |          |         | ,        |           | TOTAL       |          | TOTAL    |                |
| (F)         | 0         | 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10  | 11 - 12 | 13 - 14        | 15 - 16 | 17 - 18  | 19 - 20 | 21 - 22  | 23 - 24 | 25 - 26  | 27 - 28 | 29 - 3   | 2 31      | D.B./W.B.   | Dry Bulb | Wet Bulb | Dew Point      |
| 66/ 65      |           |       |       |       | 1     | 1       | Ì       |                | . 1     | 1        |         |          |         |          |         |          |           | 1           | 1        |          |                |
| 64/ 63      |           |       |       |       |       | •       |         | • 1            |         | ,1       | .1      |          |         |          |         |          | 1         | 3           | 3        |          |                |
| 62/ 61      |           | ì     |       |       | ]     |         | • 1     | .4             | .3      | , 3      |         |          |         |          | ĺ       |          | 1         | 11          | 11       |          |                |
| 60/ 59      |           |       |       |       |       | •       | . 1     | . 1            | . 4     | , 2      |         |          |         | ]        | ļ       | 1        |           | 8           | 8        |          |                |
| 58/ 57      |           |       |       |       |       | . 9 4   | .6      | .3             | ,3      |          |         |          |         |          | i       |          |           | 16          | 16       |          |                |
| 56/ 55      |           |       | 1     | }     | . 4   | . 8     | . 9     | .3             | .1      |          | 1       |          |         |          | 1       | ļ        |           | 23          | 23       |          |                |
| 54/ 53      |           |       |       | • 1   | • 2   | 2.2     | 1.2     | .4             |         |          |         |          |         |          |         |          | 7         | 29          | 29       |          |                |
| 52/ 51      |           |       | • 1   | . 2   | _ , 2 | 1.5     | 1.3     | ,4             |         | ļ        | ļ       |          |         | i<br>!   | ļ       | 1        | 1         | 35          | 35       | ļ        |                |
| 50/ 49      |           |       | • 1   | . 2   | 1,3   | 2,3     | 1.1     |                |         | T        |         |          |         |          |         |          | T         | 46          | 46       | 5        |                |
| 48/ 47      |           | . 1   | . 3   | 1.4   | 2,0   | 1,2     | • 2     |                |         |          |         |          |         |          |         |          |           | 49          | 49       | 20       |                |
| 46/ 45      |           | • 4   | - 1   | 2.4   | 2,8   | 1.5     | • 2     |                |         |          |         |          |         |          |         |          |           | 69          | 69       | 23       | 2              |
| 44/ 43      |           | . 9   | • 1   | 3.1   | 1,2   | • 3     |         |                |         |          |         |          |         | <u> </u> |         |          | 1         | 52          | 52       | 57       | 4              |
| 42/ 41      |           | . 3   | 1.0   | 2.5   | 1,2   | • 3     |         |                |         |          |         |          |         |          |         |          | 7         | 49          | 49       | 65       | 12             |
| 40/ 39      |           | 1.5   | , 3   | 2.0   | 1.2   |         |         |                |         | <u> </u> | L       | [        |         |          |         |          | 1         | 65          | 65       | 91       | 12             |
| 38/ 37      |           | 1.4   | 3.0   | 1.6   | . 8   |         |         |                |         |          |         |          | •       |          |         |          | T -       | 63          | 63       | 93       | 22<br>39       |
| 36/ 35      | 1         | 3.7   | 3.1   | 1.3   | _ • 2 | `       |         |                |         |          | ļ       |          |         | 1        | ł       |          |           | 77          | 77       | 93       | 39             |
| 34/ 33      | . 1       | 2.0   | 2.5   | • 9   | • 2   |         |         |                |         |          |         |          |         |          |         |          | T         | 58          | 58       | 93       | 60             |
| 32/ 31      | • 5       | 2.7   | 2.0   |       |       |         |         |                |         |          |         |          |         | ļ        | ļ       | -        |           | 60          | 60       | 89       | 93             |
| 30/ 29      | .0        | 3.0   | 1.9   | . 4   |       |         |         |                |         |          |         |          |         |          |         |          |           | 59          | 59       | 79       | 124            |
| 28/ 27      | 1.1       | 1.8   | • 9   | . 3   |       |         |         |                |         | 1        | 1       |          |         | 1        |         |          |           | 38          | 38       | 59       | 150            |
| 26/ 25      | .5<br>1.5 | 2.3   | 1,1   | • 1   | [     |         |         |                |         | ]        |         |          |         |          |         |          | ]         | 37          | 37       | 44       | 91             |
| 24/ 23      | 1.5       | 1.4   | • 1   |       |       |         |         |                |         |          | ļ       |          |         |          | Į       |          | 1         | 28          | 28       | 47       | 68             |
| 22/ 21      | .5        | 1.9   | . 3   |       |       | · · · · |         |                |         | 1        |         |          |         |          |         |          |           | 26          | 26       | 31       | 81             |
| 20/ 19      | .2        |       | • 3   |       |       |         |         |                |         |          |         | ! !      |         | ļ        | 1       | ļ        | 1         | 15          | 15       | 20       | <b>5</b> 5     |
| 18/ 17      |           | . 3   |       |       |       |         |         |                |         |          |         |          |         |          |         | $\Box$   |           | 3           | 3        | 9        | 81<br>55<br>38 |
| 16/ 15      |           |       |       |       |       | ·       |         |                |         |          |         |          |         |          |         |          | .]        |             |          | 2        | 33             |
| 14/ 13      |           |       |       |       |       |         |         |                |         |          |         |          |         |          | 1       | T        |           |             |          |          | 23             |
| 12/ 11      |           |       |       |       |       |         |         |                |         |          |         |          |         |          |         | <u>_</u> |           |             | [        | [        | 8              |
| 10/ 9       |           | .3    |       |       |       | ٠. ا    |         |                |         |          |         |          |         |          | I       |          | 1         | 3           | 3        | 2        | 1              |
| 8/ 7        | . 1       |       |       |       |       |         |         | i              |         |          |         |          |         |          | L       |          | _] _      | 1           | 1        | 2        | 4              |
| 6/ 5        |           |       |       |       |       | •       |         |                |         |          |         |          |         |          |         |          | $\top$    |             |          |          | 5              |
| 4/ 3        |           |       |       |       |       |         |         |                |         | İ        | İ       | ] _ [    |         | 1        |         | 1        |           |             |          |          | 2              |
| 2/ 1        | , 3       |       |       |       |       | •       |         |                |         |          |         |          |         |          |         |          | T         | 3           | 3        | 3        |                |
| 0/ -1       | 2         |       |       |       |       | · .     |         |                |         |          |         | <u> </u> | L       |          |         |          | _l        | 2           | 2        | 2        | 2              |
| Element (X) |           | Z X2  |       |       | ZX    |         | X       | ₹ <sub>X</sub> |         | No. O    | 18.     |          |         |          | Mean    | No. of I | lours wit | h Temperati | re       |          |                |
| Rel. Hum.   |           |       |       |       |       |         |         |                |         |          |         | = 01     | F :     | 32 F     | ≥ 67    | F        | ≥ 73 F    | > 80 F      | ≥ 93 F   | 1        | Total          |
| Dry Bulb    |           |       |       |       |       | :       |         |                |         |          |         |          |         | _        | T       |          |           | 1           | T        |          |                |
| Wrt Bulb    |           |       |       |       |       | •       |         |                |         |          |         |          |         |          |         |          |           |             |          |          |                |
| Dew Point   |           |       |       |       |       |         |         |                |         |          |         |          |         |          |         |          |           |             |          |          |                |
|             |           |       |       |       |       |         |         |                |         |          |         |          |         |          |         |          |           |             |          |          |                |

DATA PRUCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC 2 AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS

STATION NAME <u>68-77</u> 1 0300-0500 Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Buib Wet Bulb Dew Point 1 -2/ -3 TUTAL 930 6.325.619.217.711.7 9.5 5.7 2.2 1.3 930 1 930 930 €. C 1 0.26.5 No. Obs. Element (X) Mean No. of Hours with Temperature 64.418.539 38.510.607 930 Rel. Hum. 4174163 59875 ± 32 F ≥ 67 F = 73 F = 80 F = 93 F ≤ 0 F 35835 930 27.6 Dry Bulb 1485325 39.0 78.2 1097453 930 33.5 7.701 Wet Bulb 31135 .3 Dew Point 24422

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY

USAFETAC FORM 0.26-5 (OL A)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

| 24112<br>STATION | MA       | LMST         | ROM   | AFB st   | MT/GI    | REAT     | FAL                                    | LS         |         | 68-         | 77       |         |          | YE      | ARS        |              |              |          | DC<br>Mon |             |
|------------------|----------|--------------|-------|----------|----------|----------|----------------------------------------|------------|---------|-------------|----------|---------|----------|---------|------------|--------------|--------------|----------|-----------|-------------|
|                  |          |              |       |          |          |          |                                        |            |         |             |          |         |          |         |            |              | PAGE         | 1        | HOURS IL  |             |
| Temp             |          |              |       |          |          | WET      | BULB 1                                 | EMPER      | TURE    | DEPRE       | SSION (I | =)      |          |         |            |              | TOTAL        |          | TOTAL     |             |
| (F)              | 0        | 1 - 2        | 3 - 4 | 5 - 6    | 7 - 8    | 9 - 10   | 11 - 12                                | 13 - 14    | 15 - 16 | 17 - 18     | 19 - 20  | 21 - 22 | 23 - 24  | 25 - 26 | 27 - 28 29 | - 30 ≥ 31    | D.B./W.B     | Dry Bulb | Wet Bulb  | Dew Point   |
| 66/ 65           |          |              |       |          |          | ٠        |                                        |            | . 1     | •1          |          | •1      |          |         |            |              | 3            | 3        |           |             |
| 64/ 63           |          |              |       |          |          |          |                                        | . 3        | .3      | . 3         |          |         |          |         |            |              | 9            | 9        |           |             |
| 62/ 61           |          |              |       |          |          |          | • 1                                    | • 2        | . 3     | • 11        | • 1      | - 1     | !        | İ       | ļ          |              | 11           | 11       |           |             |
| 60/ 59           |          |              |       |          |          |          | .4                                     | . 3        | .4      | • 2         |          |         |          |         |            |              | 13           | 13       |           |             |
| 58/ 57           | - 1      |              |       |          | • 1      | • 5      |                                        | .3         | . 2     |             |          |         | - 1      | ı       |            |              | 24           | 24       |           |             |
| 56/ 55           |          | !            |       |          | 2        | • 8      |                                        | .3         | , 5     |             |          |         |          |         |            |              | 24           | 24       | !         |             |
| 54/ 53           |          | 1            |       | • 1      | , 2      | 1.2      | • 6                                    | .5         | • 1     |             |          | 1       | İ        | 1       | 1          |              | 26           | 26       | , İ       |             |
| 52/ 51           |          |              |       |          | , 9      | 1,5      | 1.1                                    | .3         |         |             |          |         |          |         |            |              | 35           | 35       |           |             |
| 50/ 49           |          |              |       | •4       | 1.4      | 1.6      |                                        | . 3        | 1       |             |          |         |          |         |            |              | 41           | 41       | 9         |             |
| 48/ 47           |          |              | .3    | 1.1      | 2.3      | 1.4      | .3                                     |            | ‡       |             |          |         |          |         |            |              | 50           | 50       | 22        |             |
| 46/ 45           |          | • 5          | • 5   | 1.2      | 3.7      | 1.2      | •1                                     | l          |         |             |          |         | 1        |         | 1          |              | 67           | 67       | 31        | _           |
| 44/ 43           |          | 1.2          | . 3   | 2.2      | 1.7      | • 3      |                                        |            |         |             |          |         |          |         |            |              | 53           | 53       | 60        | 1           |
| 42/ 41           |          | • 4          | 1.0   |          |          |          |                                        |            |         |             |          |         | į        |         |            | 1            | 53           | 53       | 70        | 11          |
| 40/ 39           |          | - 6          | 3.3   | 1.7      | 1.2      | • 3      |                                        |            |         |             |          | -       |          |         |            |              | 67           | 67       | 77        | 16          |
| 38/ 37<br>36/ 35 | . 1      | 2.2          | 2.7   | 1.5      | ,8<br>.1 | , .      |                                        |            | İ       |             |          | 1       |          |         | Ì          |              | 52           | 56<br>52 | 92<br>108 | 25<br>44    |
| 34/ 33           | • 1      | 3.2          | 2.2   | • 9      | . 2      |          |                                        |            |         | <del></del> |          |         |          |         |            |              | 61           | 61       | 71        | 54          |
| 32/ 31           | 6        |              |       | 1.1      |          | · · ·    | ·                                      |            |         |             |          |         |          |         |            |              | 70           | 70       | 93        | 117         |
| 30/ 29           | 1.4      |              | • 9   | .8<br>.3 |          |          |                                        |            |         |             |          | 1       | Ì        | .       |            |              | 47           | 47       | 82<br>59  | 108<br>156  |
| 26/ 25           | 1.0      | 1.3          | • 6   |          |          |          |                                        |            |         |             | i i      |         | İ        |         |            |              | 27           | 27       | 45        | 88          |
| 24/ 23           | 1.3      |              |       |          |          |          |                                        |            |         |             |          |         |          |         |            |              | 35           | 35       | 34        | 65          |
| 22/ 21           | .8<br>.9 |              |       |          |          |          |                                        |            |         |             |          |         | - 1      |         |            |              | 15<br>19     | 15<br>19 | 33<br>18  | 74<br>54    |
| 18/ 17           | • 2      | .2           | •1    |          |          |          |                                        |            |         |             |          |         |          |         |            |              | 5            | 5        | 10        | 45          |
| 16/ 15           | 1        |              |       |          |          |          |                                        |            |         |             |          |         |          |         |            | <del></del>  | 3            | .3       | 3         | 29<br>16    |
| 14/ 13<br>12/ 11 |          | •2           |       |          |          |          | ļ                                      |            |         |             |          |         |          |         |            |              | 2            | 2        | 3         | . 8<br>. 10 |
| 10/ 9            |          | •1           |       |          |          | ·        |                                        |            |         |             |          |         |          |         |            |              | 1            | 1        |           | 6           |
| 8/ 7             |          |              |       |          |          |          | ļ                                      |            |         |             | <u> </u> |         |          |         |            |              | <del> </del> |          | 1         | 2           |
| 6/ 5             | • 1      | .1           |       |          |          |          |                                        |            |         |             |          |         |          |         |            |              | 1 2          | 1 2      | 1         | 2           |
| 2/ 1             | • 1      | .1           |       |          |          |          |                                        |            |         |             |          |         |          |         |            |              | 2            | 2        | 3         | 2           |
| 0/ -1            | 2        | <del> </del> |       |          |          |          | ــــــــــــــــــــــــــــــــــــــ | لــــــا   |         | ·           | ليبا     |         |          |         |            | L            | 2            | Ž        | 2         | 1           |
| Element (X)      |          | Σχ2          |       |          | Z X      |          | X                                      | <b>"</b> X |         | No. OL      | ·s.      | `       |          |         |            | of Hours wi  |              |          |           |             |
| Rel. Hum.        |          |              |       |          |          |          |                                        | <u> </u>   |         |             |          | ± 0 F   | 1 1      | 32 F    | 2 67 F     | ≥ 73 F       | > 80 F       | × 93 !   | <u>'</u>  | Total       |
| Dry Bulb         |          |              |       |          |          | <u> </u> |                                        | ļ          |         |             |          |         |          |         |            | <del> </del> |              |          |           |             |
| Wet Bulb         |          |              |       |          |          |          |                                        |            |         |             |          |         |          |         |            | <del> </del> | <b> </b>     |          |           |             |
| Dew Point        |          |              |       |          |          |          |                                        | <u> </u>   |         |             | i        |         | <u> </u> | لــنــا |            | .l           | <u> </u>     | _i       | <u>i_</u> |             |

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USAFETAC

| 24112<br>STATION          | MA  | LHST     | ROM   | AFB s     | MT/G   | REAT                                             | FAL          | <u>LS</u> |              | <u>68-</u>                                     | 77       | <u> </u> |             | YE           | ARS      |         |          |           | <del></del> |              | C T                                              |
|---------------------------|-----|----------|-------|-----------|--------|--------------------------------------------------|--------------|-----------|--------------|------------------------------------------------|----------|----------|-------------|--------------|----------|---------|----------|-----------|-------------|--------------|--------------------------------------------------|
|                           |     |          |       | -         |        | <i>y-</i> =                                      |              |           |              |                                                |          |          |             |              |          |         |          | PAGE      | 2           | 0600 HOURS ( | -0800                                            |
| Temp                      |     |          |       |           |        | WET                                              | BULB 1       | FEMPER    | ATURE        | DEPR                                           | SSION    | (F)      |             |              |          |         |          | TOTAL     |             | TOTAL        | <del></del>                                      |
| (F)                       | 0   | 1 - 2    | 3 - 4 | 5 - 6     | 7 - 8  |                                                  |              |           |              |                                                |          |          | 23 - 24     | 25 - 26      | 27 - 28  | 29 - 30 | ≥ 31     | D.B./W.B. | Dry Bulb    | Wet Bulb     | Dew Poin                                         |
| -2/ -3                    | • 1 |          |       |           |        | ,                                                |              |           |              |                                                |          |          |             |              |          |         |          | 1         | 1           | 1            | 2                                                |
| -4/ -5<br>-6/ -7<br>FOTAL | 7.5 | 26.2     | 16.9  | 14.8      | 14.0   | 9.0                                              | 5.5          | 2.7       | 2.0          | 1.1                                            | .1       | .1       |             |              |          |         |          |           | 930         |              | 930                                              |
|                           |     |          |       |           |        |                                                  |              |           |              |                                                |          |          |             |              |          |         |          | 930       |             | 930          |                                                  |
|                           |     |          |       |           |        | <u> </u>                                         |              |           |              |                                                |          |          |             |              |          |         |          |           |             |              |                                                  |
|                           |     |          |       |           |        | <del>                                     </del> |              |           | İ            |                                                |          | <b> </b> |             |              |          |         |          |           |             |              |                                                  |
|                           |     |          |       | _         | ;<br>I |                                                  |              |           |              |                                                |          |          |             |              |          |         |          |           |             | <b></b>      |                                                  |
|                           |     |          |       |           |        | 7:                                               |              |           |              |                                                |          |          |             |              |          |         |          |           |             |              | <del>                                     </del> |
|                           |     |          |       |           |        |                                                  |              |           | _            |                                                |          |          | <del></del> |              |          |         | <u> </u> |           |             |              |                                                  |
|                           |     |          |       |           |        |                                                  |              |           |              |                                                |          |          |             | <del> </del> | ļ        |         |          |           |             |              | <del>                                     </del> |
|                           |     | <u> </u> |       |           |        | -                                                |              |           |              | -                                              | -        |          |             | -            |          |         |          |           |             |              | 1                                                |
|                           |     |          |       |           |        |                                                  |              |           |              |                                                |          |          |             | -            |          | ļ       |          |           |             |              | <u>.</u>                                         |
|                           |     |          |       | ļ         |        | ,                                                |              |           | <u> </u>     |                                                | -        |          |             |              |          |         |          | <u> </u>  |             |              | <del> </del>                                     |
|                           |     |          |       |           | ļ      |                                                  |              |           | <del> </del> |                                                | <u> </u> | ļ        |             | ļ            |          |         | <u> </u> |           |             | <u> </u>     |                                                  |
|                           |     |          |       | <u> -</u> |        | <del> </del>                                     |              |           |              | <u>  .                                    </u> |          | ļ        | ļ           |              |          |         |          |           |             | ļ            |                                                  |
|                           |     |          |       | <u> </u>  |        | ļ. <u> </u>                                      |              |           |              | ļ                                              |          | <u> </u> | ·           | -            | <u> </u> |         | <u> </u> |           |             | ļ.<br>       |                                                  |
|                           |     |          |       |           | ļ      |                                                  | <u> </u>     |           |              |                                                |          |          |             |              |          |         |          |           |             |              | <u> </u>                                         |
|                           |     |          |       |           |        |                                                  |              |           |              |                                                |          |          |             | <u> </u>     |          |         |          |           |             |              |                                                  |
|                           | ·   |          | 1     |           |        |                                                  |              |           |              |                                                |          |          |             |              |          |         |          |           |             | <u> </u>     |                                                  |
| Element (X)               |     | Σχ²      |       |           | Z X    |                                                  | X            | Og.       |              | No. O                                          |          |          |             |              |          |         |          | h Tempero |             |              |                                                  |
| Rel. Hum.                 |     | 417      | 3460  | <u> </u>  |        | 20                                               | 64.1         | 19.4      | 48           |                                                | 30       | ± 0      |             | ≤ 32 F       | ≥ 67     | F   3   | 73 F     | ≥ 80 F    | 2 93        | F            | Total                                            |
| Dry Bulb                  |     |          | 0265  |           | 362    |                                                  | 39.0         | 11.1      | 35           |                                                | 30       |          | .3          | 27,5         |          | _       |          | ļ         |             | _            | 93<br>93                                         |
| Wet Bulb<br>Dew Point     |     | 111      | 9160  | <u>}</u>  | 314    | 10                                               | 33.8<br>26.5 | 7.0       | 723          | - 5                                            | 30       |          | •3          | 39.0         |          |         |          |           | +           |              | 93                                               |

| 112          | MA         | LMST  | ROM      |       | MT/G           | REAT        | FAL      | LS             |       | 68-          | <u>77                                   </u> |       |         | V.      | ARS         |              |              |              | n(       | CT<br>NTH |
|--------------|------------|-------|----------|-------|----------------|-------------|----------|----------------|-------|--------------|----------------------------------------------|-------|---------|---------|-------------|--------------|--------------|--------------|----------|-----------|
| IATION       |            |       |          | 51    | ALION          | AME         |          |                |       |              |                                              |       |         | 71.     | AKS         |              | PAGE         | 1            | 0900.    | -110      |
| emp.         |            |       |          |       |                | WET         | BIII B   | TEMPEO         | ATURE | DEPP         | SSION (                                      | E١    |         |         |             |              | TOTAL        |              | TOTAL    |           |
| (F)          | 0          | 1 - 2 | 3 - 4    | 5 - 6 | 7 - 8          |             |          |                |       |              |                                              |       | 23 - 24 | 25 - 26 | 27 - 28 29  | - 30 ≥ 31    | D.B./W.B.    | Dry Bulb     | Wet Bulb | Dew Po    |
| , 79         |            |       |          |       |                |             |          |                |       |              |                                              |       |         | •1      |             |              | 1            | 1            |          |           |
| 1 77         |            |       |          |       |                |             |          | 1 .            |       |              |                                              |       | . 2     | • 1     |             |              | 3            | 3            |          |           |
| / 75         |            |       |          |       |                |             |          |                |       |              | •1                                           | • 2   |         | •4      | • 1         |              | 8            | 8            |          |           |
| / 73         |            |       |          |       |                |             |          |                |       | <u> </u>     | .1                                           | .3    | .6      |         |             |              | 10           | 10           |          |           |
| / 71         |            |       |          |       |                |             |          |                |       |              | •1                                           | . 8   | .2      | İ       | ļ           |              | 10           | 10           |          |           |
| / 69         |            |       |          |       |                |             |          |                | • 1   | .3           | 1.7                                          | • 5   | •1      |         |             |              | 26           | 26           |          |           |
| / 67         |            |       |          |       |                |             |          | 2              | . 3   |              | 1.3                                          | • 1   |         |         |             |              | 21           | 21<br>28     |          |           |
| / 63         |            |       |          |       |                | <b> </b> -  |          | .5             |       |              |                                              |       |         |         |             |              | 28           | 33           |          |           |
| / 61         |            |       |          |       |                |             | .2       | 1.0            |       | 3            | ,4                                           |       |         |         |             |              | 29           | 29           |          |           |
| / 59         |            |       |          |       | , 1            | •1          | 1.0      |                |       |              |                                              |       |         |         |             |              | 37           | 37           |          |           |
| / 57         |            |       |          |       | . 2            |             |          |                | . 2   | 1            |                                              |       | Ì       |         | l           |              | 46           | 46           |          |           |
| / 55         |            |       |          | .1    | ,2             | 2,4         | 1.1      | 1.0            | . 2   |              |                                              |       |         |         |             |              | 46           | 46           | 1        |           |
| / 53         |            |       |          | .1    | , 5            |             |          | .5             | • 1   | <u> </u>     |                                              |       |         |         |             |              | 50           | 50           | 9        |           |
| / 51         |            |       |          | . 2   | , 5            |             |          | 1 .            |       |              |                                              |       | :       | İ       |             |              | 55           | 55           | 27       |           |
| / 49         |            |       | . 3      | .3    | 1.4            |             |          | • 1            |       | <del> </del> |                                              |       |         |         |             |              | 47           | 47           | 68       |           |
| / 47         |            | E     | • 1      | 1.2   |                |             |          |                |       |              |                                              |       |         |         | .           |              | 54           | 54<br>62     | 75       |           |
| / 45         |            | •5    | • 4      |       |                |             |          |                |       | <u> </u>     |                                              |       |         |         |             |              | 53           | 53           | 91<br>69 |           |
| / 41         |            | .6    | 1.2      | 1.1   | 6              |             |          |                |       |              | i i                                          | 1     |         |         |             |              | 43           | 43           | 86       | ı         |
| / 39         |            | .6    |          |       |                |             |          | <del> </del>   |       |              |                                              |       |         |         |             |              | 54           | 54           | 92       | 3         |
| / 37         |            | 1.8   |          | . 8   |                |             |          |                |       |              |                                              | ļ     |         |         | ı           |              | 42           | 42           | 99       | Ź         |
| / 35         | . 1        | 1.3   | 1.4      | •3    | . 2            |             |          |                |       |              |                                              |       |         |         |             |              | 31           | 31           | 71       | 9         |
| / 33         | .5         | 1.3   |          |       |                |             |          |                |       |              |                                              |       |         |         |             |              | 26           | 26           | 58       | 9         |
| / 31         | . 5        | 1.4   |          |       | • 1            |             |          |                |       |              |                                              | İ     |         |         | -           |              | 31           | 31           | 59       | 11        |
| / 29         | . 4        |       | . 8      |       |                |             |          | ļ              |       | <u> </u>     |                                              |       |         |         |             |              | 22           | 22           | 36       | 11        |
| / 27         | • 5<br>• 5 | 1.1   |          |       |                |             | '        |                |       | 1            |                                              |       |         |         | 1           |              | 19<br>13     | 19<br>13     | 29<br>20 | 13        |
| / 23         | .4         |       |          |       |                |             |          |                |       |              |                                              |       |         |         |             |              | 10           | 10           | 17       | 5         |
| / 21         | .1         | .2    | .1       |       |                | ,           | l        |                |       | 1            |                                              |       |         |         |             |              | 1 4          | 14           | 4        | 4         |
| / 19         | .4         |       |          | -     | <u> </u>       | T           |          |                |       |              |                                              |       |         |         |             | <del></del>  | 7            | 7            | 7        | 4         |
| 1 17         |            |       | <u> </u> |       |                | '           | <u> </u> |                |       | <u> </u>     |                                              |       |         |         |             |              |              |              | 3        | 3         |
| / 15         |            | .3    |          |       |                |             |          |                |       |              |                                              |       |         |         |             |              | 3            | 3            | 1        | 1         |
| / 13         | 1          | 1     |          |       |                | <u> </u>    |          | <u> </u>       |       | <u> </u>     | <u> </u>                                     |       |         |         |             |              | 1 2          | 2            | 4        | i         |
| nent (X)     |            | Σχ²   |          |       | z <sub>X</sub> |             | X        | ₹ <sub>X</sub> |       | No. OI       | )\$.                                         |       |         |         |             | of Hours wit |              |              |          |           |
| Hum.<br>Bulb |            |       |          |       |                |             |          | ļ              |       | ····         |                                              | ± 0 F | 1       | 32 F    | ≥ 67 F      | ≥ 73 F       | > 80 F       | = 93 1       |          | Totoi     |
| Bulb         |            |       |          |       |                |             |          | <del> </del>   |       |              |                                              |       |         |         | <del></del> | <del> </del> | <del> </del> | -            |          |           |
| Point        |            |       |          |       |                | <del></del> |          |                |       |              |                                              |       |         |         |             |              | <del> </del> | <del> </del> |          |           |

# PSYCHROMETRIC SUMMARY

| 112<br>STATION | MA  | LHST  | ROM / | AFB 51 | MT/G  | REAT         | FAL          | <u>LŞ</u> |          | <u>68-</u> | 77      |         |         | YE      | :ARS    |              | <del></del>                                      | <u> </u>   |               |              | C T<br>NTH     |
|----------------|-----|-------|-------|--------|-------|--------------|--------------|-----------|----------|------------|---------|---------|---------|---------|---------|--------------|--------------------------------------------------|------------|---------------|--------------|----------------|
|                |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  | PAG        | E 2           | 09004        | -110(          |
| Temp           |     |       |       |        |       |              | BULB .       |           |          |            |         |         |         |         |         |              |                                                  | TOTAL      |               | TOTAL        |                |
| (F)            | 0   | 1 - 2 | 3 - 4 | 5 - 6  | 7 - 8 | 9 - 10       | 11 - 12      | 13 - 14   | 15 - 16  | 17 - 18    | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30      | ≥ 31                                             | D.B./W.B.  | Dry Bulb      | Wet Bulb     | Dew Po         |
| 2/ 11<br>0/ 9  |     | .1    |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  | 1 2        | 1 2           | 1 1          |                |
| 8/ 7<br>6/ 5   |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  |            | 1             | 1            |                |
| ŢAL            | 3.4 | 13.0  | 10.0  | 9.7    | 11.9  | 15,3         | 11.2         | 7.0       | 6.6      | 3.4        | 4.5     | 1.9     | 1,2     | •6      | •1      |              |                                                  | 929        | 930           | 929          | 92             |
|                |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  |            |               |              |                |
|                |     |       |       |        |       |              |              |           |          |            |         |         |         | •       |         |              |                                                  |            | <u></u>       |              |                |
|                |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  |            |               |              |                |
|                |     |       |       |        |       | •            |              |           |          |            |         |         |         |         |         |              |                                                  |            |               |              |                |
|                |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  |            | i<br>I        |              |                |
|                |     | -     |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  |            | - <del></del> |              |                |
|                |     |       |       |        |       | -            |              |           |          |            |         |         |         |         |         |              |                                                  | · · · ·    |               |              |                |
|                |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         |              |                                                  |            | <del> </del>  |              |                |
|                |     |       |       |        |       | · ·          |              |           |          |            | -       |         |         |         |         |              | <del>                                     </del> |            |               |              |                |
|                |     |       |       |        |       |              |              |           |          | -          |         |         |         |         |         |              |                                                  |            |               |              |                |
|                |     |       |       |        |       |              |              |           |          | <u> </u>   |         |         |         |         |         | <del> </del> |                                                  |            |               |              |                |
|                |     |       |       |        |       |              |              |           |          |            |         |         |         |         |         | -            | <del> </del>                                     |            |               |              |                |
|                |     |       |       |        |       | <u> </u>     | -            |           |          |            |         |         |         |         |         | -            | <del> </del>                                     |            |               | <del> </del> | <del> </del> - |
|                |     |       |       |        |       | <u> </u>     | <del> </del> |           |          | <u> </u>   |         |         |         |         |         | -            |                                                  | ļ <u> </u> |               |              |                |
| ement (X)      |     | Z X²  |       |        | ZX    | <u>L , :</u> | X            | x         | <u> </u> | No. Ol     | s. T    |         |         | l,      | Mean    | No. of I     | fours with                                       | h Tempero  | ture          | L            | <u> </u>       |
| l. Hum.        |     |       | 1498  |        | 472   | 08           | 50.8         | 21.0      | 85       |            | 29      | ± 0 1   | F :     | 32 F    | ≥ 67    |              | ≥ 73 F                                           | > 80 F     | ≥ 93          | F            | Total          |
| y Bulb         |     | 231   | 0446  |        | 447   | 68           | 48.1         | 12.9      | 34       | 9          | 30      |         |         | 11,5    | 7       | .9           | 2.2                                              |            |               |              | 9              |
| t Bulb         |     | 147   | 9201  |        | 363   | 53           | 39,1         | 7.8       | 14       | 9          | 29      |         |         | 18,3    |         |              |                                                  |            |               |              | 9              |
| w Point        |     | 78    | 6497  |        | 263   | 33           | 28.3         | 6.5       | 71       | 9          | 29      |         | .       | 67.9    | 1       |              |                                                  | -          |               |              | 9              |

6-5 (OL. A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBS

VEETAC FORM 0.26.5 (C)

### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature ≥ 73 F

1 32 F

≥ 80 F

28 22

| STATION                    | MALMSTROM AFB MT/GREAT FALLS STATION NAME |          |       |       |       |        |         |         | <u> </u>       | 68-77 YEARS |                                                  |         |              |                |          |         |             |              |          | DC T        |     |
|----------------------------|-------------------------------------------|----------|-------|-------|-------|--------|---------|---------|----------------|-------------|--------------------------------------------------|---------|--------------|----------------|----------|---------|-------------|--------------|----------|-------------|-----|
|                            |                                           |          |       |       |       |        | PAGE 1  |         |                |             |                                                  |         |              |                |          |         | 1200-140    |              |          |             |     |
| Temp. WET BULB TEM ERATURE |                                           |          |       |       |       |        |         |         | DEPRESSION (F) |             |                                                  |         |              |                |          |         | TOTAL       |              | TOTAL    |             |     |
| (F)                        | 0                                         | 1 - 2    | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16        | 17 - 18     | 19 - 20                                          | 21 - 22 | 23 - 24      | 25 - 26        | 27 - 28  | 29 - 30 | <b>≥</b> 31 | D.B./W.B.    | Dry Bulb | Wet Bulb    | Dew |
| 82/ 81                     |                                           |          |       |       |       |        |         | i       |                | ***         |                                                  |         |              | •2             | • 5      | •2      |             | 9            | 9        |             |     |
| 80/ 79                     |                                           |          | - 1   |       |       | ļ      | - 1     | - 1     |                |             |                                                  |         | • 2          | •1             | .4       | . 2     |             | 9            | 9        |             |     |
| 78/ 77                     |                                           |          |       |       |       |        |         |         |                |             |                                                  | •1      | •2           | 1,3            | .6       |         |             | 21           | 21       |             | -   |
| 76/ 75                     |                                           |          |       | Í     |       | -      |         | 1       |                |             |                                                  | • 2     | .9           | 1.0            |          |         |             | 19           | 19       |             |     |
| 74/ 73                     |                                           |          |       |       |       | 7      |         |         |                |             | .3                                               | . 8     | 1.0          | •5             |          |         |             | 24           | 2.4      | -           |     |
| 72/ 71                     |                                           |          |       | 1     |       | /      | ļ.      |         |                | .2          | .4                                               | 1.3     | .4           | .1             |          |         |             | 23           | 23       | }           |     |
| 70/ 69                     |                                           |          |       |       |       |        |         |         |                | 1.4         |                                                  | 1,4     | .3           |                | <u> </u> |         |             | 43           | 43       |             |     |
| 68/ 67                     |                                           |          | į     |       |       |        |         |         | .3             |             |                                                  | . 3     | , 1          |                |          |         |             | 33           | 33       |             |     |
| 66/ 65                     |                                           |          |       |       |       |        |         | •6      |                |             | .6                                               | • 6     | , , , ,      |                |          |         |             | 41           | 41       |             |     |
| 64/ 63                     |                                           |          |       |       |       |        | . 1     | . 5     |                | 1.6         | .8                                               | .3      |              |                |          |         |             | 42           | 42       |             |     |
| 62/ 61                     |                                           |          |       |       |       | • 2    | .6      |         |                | ,5          | .3                                               | •1      |              |                |          |         |             | 38           | 38       |             |     |
| 60/ 59                     |                                           |          |       |       |       | •1     | .6      | 1.7     | 1.5            | .4          |                                                  | •       |              |                | - 1      |         |             | 41           | 41       |             |     |
| 58/ 57                     |                                           |          | ,     |       | • 2   | • 1    | • 9     | 2.9     | • 5            |             |                                                  |         |              |                |          |         | <del></del> | 46           | 46       |             |     |
| 56/ 55                     |                                           |          |       |       | .5    | 1.4    | 2.9     |         | .6             |             |                                                  |         |              |                |          |         |             | 73           | 73       | 10          |     |
| 54/ 53                     |                                           |          |       | • 1   | , 2   |        |         |         | .4             |             |                                                  |         |              |                |          |         |             | 66           | 66       | 21          |     |
| 52/ 51                     |                                           |          |       | V -   | .5    | , 9    |         | 1.3     | . 1            |             |                                                  |         |              | l l'           | ·        |         |             | 61           | 61       | 77          |     |
| 50/ 49                     |                                           |          | -     | •1    |       |        |         | • 3     |                |             |                                                  |         |              |                |          |         |             | 43           | . 43     | 95          |     |
| 48/ 47                     |                                           | !        | • 2   | .4    | 1.1   | 1.7    | 1.3     | • • •   |                |             |                                                  |         |              |                |          |         |             | 37           | 37       | 65          |     |
| 46/ 45                     |                                           | • 3      |       |       | 1.3   | 1,2    |         | . 3     |                |             |                                                  |         |              |                |          |         |             | 51           | 51       | 89          |     |
| 44/ 43                     |                                           | • •      | •6    | 1.1   | ,6    | . 3    | . 5     | • -     |                |             | 1                                                |         |              |                |          |         |             | 30           | 30       | 99          |     |
| 42/ 41                     | <del></del> -                             | • 4      | • 5   | •3    |       |        | .3      |         |                |             |                                                  |         |              |                |          |         |             | 26           | 26       | 104         |     |
| 40/ 39                     |                                           | .2       | 1.4   |       |       | .2     | .1      |         |                |             |                                                  |         |              |                | ļ        |         |             | 27           | 27       | 107         | :   |
| 38/ 37                     |                                           | .9       | 1.1   | • 2   |       | _      |         |         |                |             |                                                  |         |              | <del>  </del>  |          |         |             | 24           | 24       | 63          |     |
| 36/ 35                     |                                           | .3       | 1.0   | .5    | • •   | •      |         |         |                |             |                                                  |         |              |                |          |         |             | 17           | 17       | 51          |     |
| 34/ 33                     | • 3                                       |          |       |       |       |        |         |         |                |             | <del>                                     </del> |         |              | <del>   </del> |          |         |             | 19           | 19       | 31          |     |
| 32/ 31                     | . 4                                       | 1.1      | • 4   | .3    |       | .      |         |         | ,              |             | 1                                                |         |              | l              |          |         |             | liá          | îś       | 34          | 1   |
| 30/ 29                     | .2                                        |          | • 1   | • •   |       |        |         |         |                |             |                                                  |         | <del> </del> | <del></del>    |          |         |             | 13           | 13       | 34          | 1   |
| 28/ 27                     | -1                                        | 1.4      |       | • 2   |       |        |         |         |                |             |                                                  |         |              | ·              |          |         |             | 18           | 18       | 22          | i   |
|                            | • 1                                       |          | •2    | • 6   |       |        |         |         |                |             | <del> </del>                                     |         |              |                |          |         |             | 9            | 19       | 10          | -   |
|                            | • 1                                       | • •      | • 2   |       |       |        |         |         |                |             |                                                  |         |              |                |          |         |             | , ,          | <b>'</b> | 8           |     |
| 24/ 23                     |                                           | <b> </b> | -     |       |       |        |         |         | -              |             |                                                  |         | <b> </b>     |                |          |         |             | <del> </del> |          | <del></del> |     |
| 22/ 21<br>20/ 19           |                                           | .3       |       |       |       | ľ      |         |         |                |             |                                                  |         | ł            | l i            |          |         |             | 3            | 3        | 1 2         |     |

No. Obs.

18/ 17 16/ 15

Rel. Hum.

Dry Bulb Wet Bulb

£.

DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC MALMSTROM AFB MT/GREAT FALLS
STATION HAME DCT MONTH 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 21 | D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 9 14/ 13 2 12/ 11 10/ 6 8/ 7 4/ 3 3 2/ <u>930</u> 1.2 7.8 6.7 5.7 6.8 8.816.113.1 7.1 8.5 4.7 5.2 3.0 3.2 1.6 930 TOTAL 930 930 8 õ No. Obs. Element (X) Mean No. of Hours with Temperature 1942652 2885401 930 930 Rel. Hum. 38122 50277 ≥67 F = 73 F > 80 F = 93 F Dry Bulb 6.7 18.1 1671044 760833 38802 25859 41.7 7.491 27.8 6.709 11.8 Wet Bulb 930 930 Dew Point

### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME

68-77

OCT

|             |     |               |       |          |       |        |          |            |          |          |          |          |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | PAGE       | •        | 1500-    |          |
|-------------|-----|---------------|-------|----------|-------|--------|----------|------------|----------|----------|----------|----------|---------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------|----------|----------|----------|
| Temp        |     |               |       |          |       | WET    | BULB 1   | EMPER      | ATURE    | DEPRE    | SSION (  | F)       |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | TOTAL      |          | TOTAL    |          |
| (F)         | 0   | 1 - 2         | 3 - 4 | 5 - 6    | 7 - 8 | 9 - 10 | 11 - 12  | 13 - 14    | 15 - 16  | 17 - 18  | 19 - 20  | 21 - 22  | 23 - 24       | 25 - 26                                          | 27 - 28                                          | 29 - 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ≥ 31                                             | D.8./W.B.  | Dry Bulb | Wet Bulb | Dew F    |
| 84/ 83      |     |               |       |          |       |        |          |            |          |          |          |          |               |                                                  | • 1                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 1          | 1        |          |          |
| 82/ 81      |     | ļ             |       |          |       | 1      |          |            |          |          |          |          |               | 1                                                | .3                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ļ                                                | 3          | 3        |          |          |
| 80/ 79      |     |               |       |          |       |        |          |            |          |          |          |          | ,2            | •2                                               | .9                                               | •1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | i                                                | 13         | 13       |          |          |
| 78/ 77      | İ   | 1             |       |          |       | ļ      |          |            |          |          |          |          | .3            | 1.0                                              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | i                                                | 17         | 17       |          |          |
| 76/ 75      |     | -             |       |          |       |        |          |            |          |          | .3       | •1       | 1.2           | 1,1                                              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 25         | 25       |          |          |
| 74/ 73      |     |               |       |          |       |        | i        |            |          |          | .5       | .5       | , 9           | •2                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                | 20         | 20       |          |          |
| 72/ 71      |     |               |       |          |       |        |          |            |          | .3       | .8       | •9       | ,5            |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                | 23         | 23       |          |          |
| 70/ 69      |     |               |       |          | i     | • •    |          |            |          | .6       |          | . 5      | ,2            |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 31         | 31       |          |          |
| 68/ 67      |     |               |       |          |       |        |          |            | .4       |          | 1.4      | •5<br>•5 | •1            | <del> </del> -                                   |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 35         | 35       |          |          |
| 66/ 65      |     | į             |       |          |       |        |          | .6         |          | 1.3      | 1.2      | .4       |               | ł                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 54         | 54       |          |          |
|             |     | <del></del> i |       |          |       |        | . 1      | .6         |          |          | .9       |          |               | <del>                                     </del> |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del> </del>                                     | 42         | 42       |          |          |
|             |     |               |       |          |       |        | • 4      | .5         |          | .6       | • *      | .2       |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 31         | 31       |          |          |
| 62/ 61      |     |               |       |          | 1     | , 1    |          |            |          | .2       |          |          |               | <del> </del>                                     | <del>                                     </del> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del>                                     </del> | 43         | 43       |          |          |
| 60/ 59      |     |               |       |          | • 1   | •1     | 1.3      | 1.7        | 1.5      | • 4      | • 6      |          |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 53         | 53       |          |          |
| 58/ 57      |     |               |       | 1        |       | •9     | 2.0      | 2.2        |          | • 7      |          |          |               | <del>                                     </del> | <del>                                     </del> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del> </del>                                     | 55         | 55       | 9        | -        |
| 56/ 55      |     |               |       | • 1      | • 2   | 1.5    | 1.8      |            | .5       |          |          |          |               | ĺ                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | .65        | 65       | 22       |          |
| 54/ 53      |     |               |       | • 1      | . 3   |        |          |            | •2       |          |          |          | <del></del> - |                                                  | <del>   </del>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 56         | 56       | 68       |          |
| 52/ 51      |     |               | ٦     | .3       | • 4   |        |          |            |          |          |          |          |               | !                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                | 54         | 54       | 92       |          |
| 50/ 49      |     |               | • 2   | .5       | •6    | 1.3    | 2.6      |            |          |          | ļ        |          |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del></del>                                      | 54         | 54       | 76       |          |
| 48/ 47      |     | • 1           | • 2   | 1.1      | , 8   | 2,9    | .8       | ا ا        |          |          |          |          | ĺ             |                                                  | 1                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | İ                                                | 47         | 47       | 87       |          |
| 46/ 45      |     | • 1           | .3    |          |       |        |          |            | <u> </u> |          |          |          | <b> </b>      |                                                  | <del>                                     </del> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ļ                                                | 27         | 27       |          |          |
| 44/ 43      |     | • 1           | •6    | .2       | 4 8   | • 6    | .6       |            | 1        | }        |          |          | İ             |                                                  | İ                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | l                                                |            | 29       | 100      |          |
| 42/ 41      |     | • 6           | .9    | • 2      | • 5   | •1     | .4       | •1         | <u> </u> |          | ļ        |          |               | <u> </u>                                         |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ļ                                                | 29         |          | 93       | ļ        |
| 40/ 39      |     | . 8           |       | ,9       | ,5    | • 3    | Ì        |            |          |          |          |          | 1             | ]                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 32         | 32       | 104      |          |
| 38/ 37      |     | • 3           | • 1   | ,4       | .6    |        |          |            | <u> </u> | <u> </u> |          |          | <u> </u>      | ļ                                                | <b> </b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del> </del>                                     | 14         | 14       | 81       |          |
| 36/ 35      |     | •5            | 1.0   | •4       | . 2   |        |          |            |          | 1        |          | l        |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ŀ                                                | 20         | 20       | 44       |          |
| 34/ 33      | 2   | .lel          | • 6   |          | • l   | ·      | <u> </u> |            |          |          | <u> </u> | <b> </b> |               | ļ                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u> </u>                                         | 24         | 24       | 30       | -        |
| 32/ 31      | . 1 |               | • 5   |          |       |        | 1        | 1          | ٠        | ]        | 1        |          |               | 1                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 14         | 14       | 39       | 1        |
| 30/ 29      | 3   |               | • 3   |          |       |        |          |            |          |          | ļ        |          |               | <u> </u>                                         | <del>                                     </del> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ļ                                                | 10         | 10       | 33       |          |
| 28/ 27      | • 2 |               | •3    | • 1      |       |        |          |            |          |          | 1        |          |               | 1                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 22         | 22       | 21       | 1        |
| 26/ 25      | 1   | .3            |       | <u> </u> |       |        |          |            | <u></u>  | ļ        | ļ        | ļ        | <u> </u>      | ļ                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ļ                                                | 4          | 4        | 11       | 1        |
| 24/ 23      | . 1 | •2            |       |          |       |        |          |            |          |          |          | l        |               |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 3          | 3        | 9        |          |
| 22/ 21      |     |               |       |          |       |        |          | <u> </u>   |          | <u> </u> | L        | <u> </u> | <u> </u>      |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u> </u>                                         |            |          |          | <u> </u> |
| 20/ 19      |     | .2            |       |          |       |        |          |            | İ        | İ        |          |          |               | [                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 2          | 2        | 1        |          |
| 18/ 17      |     | .1            |       |          |       |        |          |            |          |          | <u> </u> | <u></u>  | <u> </u>      | <u> </u>                                         |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>L</u>                                         |            | 1        | 2        |          |
| Element (X) |     | ZX'           |       |          | ZX    |        | X        | <b>"</b> x |          | No. Ol   | »s.      |          |               |                                                  | Mean N                                           | o. of H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ours wit                                         | h Temperat | ure      |          |          |
| Rel. Hum.   |     |               |       |          |       |        |          |            |          |          |          | ⊴ 0      | F             | ≤ 32 F                                           | ≥ 67                                             | F :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 73 F                                             | > 80 F     | ≥ 93 l   | F .      | Total    |
| Dry Bulb    |     |               |       |          |       |        |          |            |          |          |          |          |               |                                                  | 1                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | <u> </u>   |          |          |          |
| Wet Bulb    |     |               |       |          |       |        |          |            |          |          |          |          |               |                                                  |                                                  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |                                                  | <u> </u>   | 1        |          |          |
| Dew Point   |     |               |       | 1        |       |        |          |            |          |          | T        |          |               |                                                  | 1                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  | 1          |          | 1        |          |

#### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS DCT 68-77 YEARS 1500-1700 HOURS (5, 5, T,) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 16/ 15 •1 21 14 12/ •1 9 10/ ġ 5 6/ 3 4/ 2/ 1 0/ 1.1 8.0 6.2 6.2 6.311,313.712.5 8.8 7.3 7.2 3.5 3.4 2.5 1.8 930 930 TOTAL 930 930 Element (X) No. Obs. · X Mean No. of Hours with Temperature 930 930 1921604 2861303 37948 50075 40.820.042 53.813.329 Rel. Hum. Dry Bulb 6.2 16.8 41.6 7.529 27.5 6.925 12.4 69.9 93 38655 Wet Bulb 1659333 930 Dew Point 750279 25619

PRM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THE

### **PSYCHROMETRIC SUMMARY**

MALMSTROM AFB MT/GREAT FALLS
STATION NAME

MONTH

|             |         |       |       |                                                  |                                                  |                                                  |              |                                                  |                                                  |                                                  |             |          |         |                                                  |                                                  |                 |                 | GE 1            | 1800                                             | (L. S. T        |
|-------------|---------|-------|-------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------|----------|---------|--------------------------------------------------|--------------------------------------------------|-----------------|-----------------|-----------------|--------------------------------------------------|-----------------|
| Temp        |         |       |       |                                                  |                                                  | WET                                              | BULB '       | TEMPER                                           | ATURE                                            | DEPRE                                            | SSION (     | F)       |         |                                                  |                                                  |                 | TOTAL           | . T             | TOTAL                                            |                 |
| (F)         | 0       | 1 - 2 | 3 - 4 | 5 - 6                                            | 7 - 8                                            |                                                  |              |                                                  |                                                  |                                                  |             |          | 23 - 24 | 25 - 26                                          | 27 - 28 2                                        | 9 - 30 2        | 31 D.B./W.      | B. Dry Bulb     | Wet Bulb                                         | Dew             |
| 74/ 73      |         |       |       |                                                  |                                                  |                                                  |              |                                                  |                                                  |                                                  |             |          | •1      |                                                  |                                                  |                 |                 | 1 1             |                                                  | Π               |
| 72/ 71      |         |       |       |                                                  |                                                  |                                                  |              |                                                  | 1                                                |                                                  | .2          | •1       | .3      |                                                  |                                                  |                 |                 | 6 6             |                                                  | 1               |
| 70/ 69      |         |       |       |                                                  |                                                  |                                                  |              |                                                  |                                                  |                                                  | •3          | ,4       |         |                                                  |                                                  |                 |                 | 7 7             |                                                  | 1               |
| 68/ 67      |         |       |       |                                                  | İ                                                |                                                  |              | i                                                | .1                                               | ,2                                               | .2          | '        |         | ŀ                                                |                                                  | l               | 1               | 5 5             |                                                  | 1               |
| 66/ 65      |         |       |       |                                                  |                                                  |                                                  |              | .1                                               | .1                                               | ,4                                               | .5          |          |         |                                                  |                                                  |                 | 1               | 1 11            |                                                  | 1               |
| 64/ 63      |         |       |       |                                                  |                                                  |                                                  |              | 1.3                                              | 1.2                                              | .4                                               | .1          | i i      |         | i                                                |                                                  |                 | 2               |                 | 1                                                | 1               |
| 62/ 61      |         |       |       |                                                  |                                                  |                                                  | ·.3          |                                                  |                                                  | .9                                               | •1          |          |         |                                                  |                                                  |                 | 3               |                 |                                                  | _               |
| 60/ 59      |         |       |       |                                                  | '                                                | 1 .1                                             | .5           |                                                  | 1.3                                              | ,2                                               | 1.          | ¦        |         | 1                                                | 1                                                | i               | 3               |                 | 1                                                |                 |
| 58/ 57      |         |       |       |                                                  |                                                  | • 3                                              | 2.2          |                                                  | .3                                               |                                                  |             |          |         |                                                  |                                                  |                 | 3               |                 | <del> </del>                                     | †               |
| 56/ 55      |         |       |       | . 1                                              | . 2                                              | 1.4                                              | 1.2          | 1.4                                              |                                                  |                                                  |             |          |         | ĺ                                                |                                                  | - 1             | 4               |                 |                                                  | !               |
| 54/ 53      |         |       | • 1   |                                                  | 1.4                                              |                                                  |              |                                                  |                                                  |                                                  |             |          |         |                                                  |                                                  |                 | 5               |                 |                                                  | $\uparrow \neg$ |
| 52/ 51      |         |       | 7 1   | . 1                                              | 9                                                |                                                  | 1.4          |                                                  |                                                  | •                                                |             | <b>!</b> |         |                                                  |                                                  |                 | 5               |                 |                                                  | 1               |
| 50/ 49      |         |       | •1    | .8                                               |                                                  |                                                  |              |                                                  | 7.                                               | -                                                |             |          |         | <b></b> -                                        |                                                  |                 | 5               |                 |                                                  |                 |
| 48/ 47      |         | _ ,   | •6    | 1                                                | 1.8                                              |                                                  | 1.1          | ••                                               |                                                  |                                                  |             | ]        |         |                                                  |                                                  |                 | 6               |                 |                                                  |                 |
| 46/ 45      |         | • 2   | 1.1   | • 6                                              |                                                  |                                                  | ,4           | <del>                                     </del> |                                                  | <del> </del>                                     |             |          |         |                                                  | <del>                                     </del> |                 | 6               |                 |                                                  |                 |
| 44/ 43      |         | 2     | 1.0   |                                                  | 1.7                                              | 1.4                                              | ••           | ĺ                                                | İ                                                | Ì                                                |             |          |         |                                                  | 1                                                |                 | 6               |                 |                                                  |                 |
| 42/ 41      |         | •5    | 1.1   | 1.8                                              |                                                  | .8                                               | .1           |                                                  | <del> </del>                                     |                                                  | $\vdash$    |          |         | <del>                                     </del> | <del>                                     </del> |                 | 5               |                 |                                                  |                 |
| 40/ 39      |         | 1.4   | 2.4   | 2.2                                              |                                                  | ,                                                | :1           | ł                                                |                                                  | ļ                                                |             |          |         |                                                  | 1 1                                              |                 | 6               |                 |                                                  |                 |
| 38/ 37      |         | 1.2   | . 8   |                                                  |                                                  |                                                  | - **         | <u> </u>                                         | <del> </del>                                     |                                                  |             |          |         | <del> </del>                                     | 1                                                |                 | 4               |                 |                                                  |                 |
| 36/ 35      |         | . 9   | 1.4   | 1                                                |                                                  | , ,,,                                            |              |                                                  |                                                  | Ì                                                | İ           |          |         | 1                                                |                                                  |                 | 3               |                 |                                                  |                 |
| 34/ 33      | •1      |       | .9    |                                                  |                                                  |                                                  |              | <del>                                     </del> | <del>                                     </del> |                                                  | <del></del> |          |         |                                                  | ++                                               |                 | 4               |                 |                                                  |                 |
| 32/ 31      | . 3     | 1.6   | .6    |                                                  |                                                  |                                                  |              |                                                  |                                                  | · ·                                              | 1           |          |         |                                                  |                                                  | !               | 3               |                 |                                                  |                 |
| 30/ 29      |         | 1.0   | •5    | • 2                                              |                                                  |                                                  |              |                                                  |                                                  |                                                  | <del></del> |          |         |                                                  | +-+                                              |                 | 1               |                 |                                                  |                 |
| 28/ 27      | . 4     |       | .3    |                                                  | 1                                                | ļ                                                |              |                                                  | ļ                                                |                                                  |             |          |         |                                                  | 1 1                                              | 1               | 2               |                 |                                                  |                 |
| 26/ 25      | •1      |       |       |                                                  |                                                  |                                                  | <u> </u>     |                                                  | <del> </del>                                     | <del>                                     </del> |             |          | -       |                                                  | 1                                                |                 | 1               |                 |                                                  | •               |
| 24/ 23      | 1       |       | •     |                                                  | 1                                                |                                                  |              | 1                                                | Ì                                                |                                                  |             |          |         |                                                  |                                                  | ľ               | li              |                 |                                                  |                 |
| 22/ 21      | .3      |       |       |                                                  |                                                  |                                                  | <b></b> -    | · · · · · ·                                      | <b></b>                                          | <del> </del>                                     |             |          |         |                                                  | <del> </del>                                     | <del> </del> -  |                 | 5 5             |                                                  |                 |
| 20/ 19      | • -     |       |       | '                                                | 1                                                | 1                                                |              |                                                  |                                                  |                                                  |             |          | ٠,      | l                                                |                                                  |                 | 1               | 1 1             | ";                                               | i i             |
| 18/ 17      |         | .1    |       | <del> </del>                                     | <del>                                     </del> | <b></b>                                          | <del> </del> | <del>                                     </del> |                                                  |                                                  |             |          |         |                                                  | <del>                                     </del> | <del>-  -</del> |                 | i i             | i                                                | 1               |
| 16/ 15      | . 1     | .3    |       |                                                  |                                                  |                                                  | ļ. ·         |                                                  |                                                  |                                                  |             |          |         | 1                                                |                                                  | l               |                 | 4               | 5                                                |                 |
| 14/ 13      | <u></u> |       |       | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <b> </b>     | <del>                                     </del> |                                                  |                                                  | <del></del> | <b> </b> |         | <b></b>                                          | +-+                                              |                 |                 | <del>' </del> ' | † <b></b> -                                      | †               |
| 12/ 11      | .1      | .1    |       |                                                  |                                                  |                                                  |              |                                                  |                                                  |                                                  | 1           |          |         |                                                  |                                                  |                 |                 | 2 2             | 2                                                |                 |
| 10/ 9       |         | .1    |       | <del>                                     </del> |                                                  |                                                  |              | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <u> </u>    |          |         | _                                                | <del>                                     </del> | -               |                 | $\frac{1}{1}$   | <del>                                     </del> | +-              |
| 8/ 7        | . 1     |       |       |                                                  | 1                                                |                                                  | 1            |                                                  | 1                                                |                                                  |             |          |         |                                                  |                                                  |                 | İ               | il i            | 2                                                |                 |
| Element (X) | <u></u> | Zx'   |       | <del>                                     </del> | ZX                                               | $\vdash$ $\vdash$                                | <u> </u>     | 7,                                               | <del>'  </del>                                   | No. Ol                                           | s. T        |          | <u></u> | <del></del>                                      | Mean No                                          | . of Hours      | with Tempe      | rature          | <u> </u>                                         |                 |
| Rel. Hum.   |         |       |       |                                                  |                                                  |                                                  |              | -°                                               | $\neg$                                           |                                                  |             | ± 0 1    | F :     | 1 32 F                                           | ≥ 67 F                                           |                 | <u> — ү —  </u> |                 | F                                                | Total           |
| Dry Bulb    |         |       |       | <del></del>                                      |                                                  |                                                  |              | 1                                                | $\neg \vdash$                                    |                                                  |             |          | _       |                                                  |                                                  |                 |                 |                 |                                                  |                 |
| Wet Bulb    |         |       |       | <u> </u>                                         |                                                  |                                                  |              | <b></b>                                          |                                                  |                                                  |             |          | _       |                                                  |                                                  |                 |                 |                 |                                                  |                 |
| Dew Point   |         |       |       | <del>                                     </del> |                                                  |                                                  |              | <del>                                     </del> |                                                  |                                                  |             |          |         |                                                  | 1                                                |                 |                 |                 |                                                  |                 |

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| 4/3 .1                                                                                                                |                         |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------|
| 4/ 3 .1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                             |                         |
| 4/ 3                                                                                                                  |                         |
| 4/ 3                                                                                                                  |                         |
| 4/3 .1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                            |                         |
| 4/3 .1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                            |                         |
| 4/ 3 .1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                             |                         |
| 4/3 .1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                            |                         |
| 4/ 3 .1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                             |                         |
| 6/ 3 01 1 1 1                                                                                                         | 930                     |
|                                                                                                                       | i                       |
| Temp (F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 ≥ 31 D.B./W.B. Dry Bulb W | FOTAL  JIB Wet Bulb Dew |

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC MAINSTROM AFR MT/GREAT FALIS 1. ĩ,

| 24112<br>STATION      | MA           | LMSTI         | ROM / |               | MT/G       | REAT     | FAL     | LS                                               |         | <u>68=</u>   | 77                                     |       |                  | YE       | ARS                                              |          |                                                  |                                                  |          | MON      |           |
|-----------------------|--------------|---------------|-------|---------------|------------|----------|---------|--------------------------------------------------|---------|--------------|----------------------------------------|-------|------------------|----------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|----------|----------|-----------|
|                       |              |               |       |               |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | PAGE                                             | 1        | 2100-    |           |
| Temp                  |              |               |       |               |            |          |         |                                                  |         |              | SSION (                                |       |                  |          | ····                                             |          | · · · · · ·                                      | TOTAL                                            |          | TOTAL    |           |
| (F)                   | 0            | 1 - 2         | 3 - 4 | 5 · 6         | 7 - 8      | 9 - 10   | 11 - 12 | 13 - 14                                          | 15 - 16 | 17 - 18      | 19 - 20                                |       | 23 - 24          | 25 - 26  | 27 - 28                                          | 29 - 30  | > 31                                             | D.B./W.B.                                        |          | Wet Bulb | Dew Poin  |
| 68/ 67                |              |               | į     |               |            |          |         |                                                  |         |              | ,                                      | • 3   |                  |          |                                                  |          | İ                                                | 3                                                | 3        |          | i         |
| 66/ 65                |              |               |       |               |            | -        |         | .1                                               | .2      | • 1          | •1                                     | -1    | •2               |          |                                                  |          | <del> </del> -                                   | 7                                                |          |          |           |
| 62/ 61                |              | ĺ             |       |               |            |          |         | .9                                               | .3      |              | i                                      | ••    | • •              | !        |                                                  |          |                                                  | 12                                               | 12       |          |           |
| 60/ 59                |              |               |       |               |            | •1       | . 4     |                                                  | .6      |              |                                        |       |                  |          |                                                  |          | <del>                                     </del> | 20                                               | 20       |          |           |
| 58/ 57                |              |               |       |               |            | , 3      | 5       | 1.2                                              | .6      |              |                                        | l     |                  |          |                                                  |          |                                                  | 25                                               | 25       |          |           |
| 56/ 55                |              |               |       |               | • 1        | .1,1     | 1.7     | 1.0                                              |         |              |                                        |       |                  |          |                                                  |          |                                                  | 36                                               | 36       |          |           |
| 54/ 53                |              |               | -1    |               | . 6        | 1.4      | 1.3     | .3                                               | •1      | <b></b>      |                                        |       |                  | <u> </u> |                                                  |          | ļ                                                | 37                                               | 37       |          |           |
| 52/ 51                |              | İ             | • 2   | • 3           |            |          | 1.3     | • 3                                              |         |              |                                        |       |                  |          |                                                  |          |                                                  | 54                                               | 54<br>47 |          | İ         |
| 50/ 49<br>48/ 47      |              |               | • 1   | 1.6           | 2.6        | -        | 1.1     | -1                                               |         |              |                                        |       |                  |          |                                                  |          |                                                  | 61                                               | 61       | 27       | <b>—</b>  |
| 46/ 45                |              | !             | •6    | 1.3           | 2.8        |          | .1      |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 54                                               | 54       | 46       | 2         |
| 44/ 43                |              | .4            | .8    |               | 2,7        | 1,2      |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 70                                               | 70       | 81       | 1         |
| 42/ 41                | . 2          |               | 1.6   | 2.5           | 1.8        | , 3      |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 64                                               | 64       | 95       | 8         |
| 40/ 39                |              | 1.2           | 1.9   | .2.3          | 1.2        |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 61                                               | 61       | 78       | 10<br>33  |
| 38/ 37                | 1            | 1.7           | 2.4   | 1.6           | 1.1        |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          | <u> </u>                                         | 64                                               | 64       | 101      | 33        |
| 36/ 35                | • 4          | 1.8           | 3.0   | 1.5           | • •        |          |         |                                                  |         |              |                                        |       |                  |          | i l                                              |          |                                                  | 68                                               | 68       | 111      | 55        |
| 34/ 33                | _ <u>• }</u> | 1.7           | 1.6   | 1.6           | <u>, 3</u> |          |         |                                                  |         | <del> </del> |                                        |       |                  |          |                                                  |          | <del> </del>                                     | 50<br>52                                         | 50<br>52 | 73<br>80 | 93<br>103 |
| 32/ 31<br>30/ 29      | • 3          | 2.2<br>3.0    | 1.9   | •6            |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 47                                               | 47       | 61       | 111       |
| 30/ 29<br>28/ 27      | •6           |               | •6    |               | <u> )</u>  | <u> </u> |         |                                                  |         |              |                                        |       |                  |          |                                                  |          | ╁┷╌╌                                             | 25                                               | 25       | 59       | 121       |
| 26/ 25                | .3           | 1.6           | 5     | . 1           |            |          |         |                                                  |         |              | li                                     |       |                  |          |                                                  |          |                                                  | 24                                               | 2.4      | 39       | 86        |
| 24/ 23                | .5           |               | • 1   | _ <del></del> |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          | T                                                | 19                                               | 19       | 32       | 68<br>67  |
| 22/ 21                | . 5          | • 9           |       |               |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 13                                               | 13       | 23       | 67        |
| 20/ 19                |              | • 2           |       |               |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 2                                                | 2        | 7        | 68        |
| 18/ 17                |              |               |       |               |            |          |         | ļ                                                |         | <u> </u>     |                                        |       |                  |          |                                                  |          | <del> </del>                                     | <del>   </del>                                   |          | <b> </b> | 40        |
| 16/ 15                |              | . 4           | ļ     |               |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 4                                                | 4        | 3        | 18<br>14  |
| 14/ 13                |              | <u>.2</u>     |       |               |            | -        |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | 2                                                | 2        | 2        | 8         |
| 10/ 9                 |              | • •           |       |               |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          | }                                                | *                                                | •        | [        | 13        |
| 8/ 7                  |              |               |       |               | <u> </u>   | · -      |         |                                                  |         | <del> </del> |                                        |       |                  |          | <del>  </del>                                    |          | 1                                                |                                                  |          |          | 3         |
| 6/ 3                  |              |               |       | •             |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          |                                                  | <u> </u>                                         |          |          | 2         |
| 4/ 3                  | •1           | • 1           |       |               |            |          |         |                                                  |         |              |                                        |       |                  |          |                                                  |          | T                                                | 2                                                | 2        | 1        | 1         |
| 2/ 1                  | 3            | -1            |       |               | <u> </u>   |          | L       |                                                  |         |              | لـــــــــــــــــــــــــــــــــــــ |       |                  |          |                                                  |          |                                                  | 1 4                                              | 4        | 4        | <u></u>   |
| Element (X)           |              | ZX2           |       |               | ZX         |          | X       | <b>₹</b>                                         |         | No. Ol       | 4.                                     |       |                  |          |                                                  |          |                                                  | h Temperati                                      |          |          |           |
| Rel. Hum.<br>Dry Bulb |              |               |       | -             |            | -+-      |         | <del> </del>                                     |         |              |                                        | ± 0 1 | <del>-   -</del> | 32 F     | ≥ 67                                             | F        | ≥ 73 F                                           | ≥ 80 F                                           | 2 93 1   | <u>'</u> | Tetal     |
| Wer Bulb              |              |               |       |               |            |          |         | <del> </del>                                     |         |              |                                        |       | ┯                |          | <del> </del>                                     |          | <del></del> -                                    | <del>                                     </del> | +        |          |           |
| Dew Point             |              |               |       |               |            |          |         | <del>                                     </del> |         |              |                                        |       |                  |          | <del>                                     </del> | $\dashv$ | <u> </u>                                         | <del> </del>                                     | +        |          |           |
| Dew Point             |              | January, 1890 |       | 1-20          | 1500 FT    |          | Salar s | Sei 21                                           | 2005ED  | Harico       | eresch                                 |       | erlegit.         | neces:   |                                                  | VA.C     | SON:                                             |                                                  | ·        | ******   | 7.0       |

| STATION      | MA  | LMST        | ROM      | AFB                                              | MT/G                                             | REAT        | FALI         | LS       |          | 68~     | 77      |         |         | YE            | ARS .                                            |             |                                                  |                                                  |             | BC         | C T<br>NTH                                       |
|--------------|-----|-------------|----------|--------------------------------------------------|--------------------------------------------------|-------------|--------------|----------|----------|---------|---------|---------|---------|---------------|--------------------------------------------------|-------------|--------------------------------------------------|--------------------------------------------------|-------------|------------|--------------------------------------------------|
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               |                                                  |             |                                                  | PAGE                                             | 2           | 2100-      | -230                                             |
| Temp.        |     |             |          |                                                  |                                                  |             | BULB 1       |          |          |         |         |         |         |               |                                                  |             |                                                  | TOTAL                                            |             | TOTAL      |                                                  |
| (F)          | 0   | 1 - 2       | 3 - 4    | 5 - 6                                            | 7 - 8                                            | 9 - 10      | 11 - 12      | 13 - 14  | 15 - 16  | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26       | 27 - 28                                          | 29 - 30     | ≥ 31                                             | D.B./W.B.                                        | Dry Bulb    | Wet Bulb   | Dew Pa                                           |
| 0/ -1        |     |             |          |                                                  |                                                  |             | [ [          |          |          | [       | l       |         |         | 1 1           |                                                  |             | 1                                                |                                                  |             | 1          | Į                                                |
| 2/ -3        |     |             |          |                                                  |                                                  |             |              |          |          |         | !       |         |         |               |                                                  |             | <u> </u>                                         |                                                  |             |            |                                                  |
| 4/ -5        |     |             |          |                                                  | l                                                |             | ii           |          |          | _       |         |         | _       | 1 1           |                                                  |             | l                                                | i i                                              |             |            |                                                  |
| TAL          | 3.7 | 18.9        | 17.0     | 16.9                                             | 18.5                                             | 10.3        | 6.9          | 4.8      | 1.9      | .1      | .3      | •4      | •2      |               |                                                  |             |                                                  |                                                  | 930         |            | 93                                               |
|              |     | i           |          | !                                                | •                                                |             |              |          |          |         |         |         |         |               |                                                  |             | İ                                                | 930                                              |             | 930        |                                                  |
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               |                                                  |             |                                                  |                                                  |             |            | ļ                                                |
| Ì            |     |             |          |                                                  |                                                  |             | )            |          |          |         |         |         |         | ) )           | 1                                                |             | 1                                                |                                                  |             |            |                                                  |
|              |     |             |          |                                                  | <u> </u>                                         |             |              |          |          |         |         |         |         |               | ļ                                                |             | <del> </del> -                                   | <u> </u>                                         |             |            | <u> </u>                                         |
| İ            |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         | l i           |                                                  |             | j                                                |                                                  |             |            |                                                  |
|              |     |             |          |                                                  | <u> </u>                                         |             |              |          |          |         |         |         |         |               | <del>                                     </del> |             | <del> </del>                                     | <del> </del>                                     |             |            | i                                                |
| Ì            |     |             |          |                                                  |                                                  |             |              |          |          |         | ·       |         |         | ) i           | j }                                              |             | 1                                                |                                                  |             |            |                                                  |
|              |     |             |          |                                                  | <del> </del>                                     | <del></del> |              |          |          |         |         |         |         | -             |                                                  |             | <del> </del> -                                   | <b></b>                                          |             |            |                                                  |
| j            |     |             |          |                                                  | ĺ                                                |             |              |          |          |         |         |         |         | Į į           |                                                  |             |                                                  |                                                  |             | ] .        | ļ                                                |
| ——— <u> </u> |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         | <del>  </del> |                                                  |             | <del> </del>                                     | <del> </del>                                     |             | <b> </b> - |                                                  |
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         | ]             |                                                  |             | 1                                                |                                                  |             | ]          |                                                  |
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               | ├                                                |             |                                                  | <del> </del>                                     |             |            | <del> </del>                                     |
| ļ            |     | i           |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               |                                                  |             | l                                                |                                                  |             |            |                                                  |
|              |     |             |          | <b> </b>                                         | <del> </del>                                     | <del></del> |              |          |          |         |         |         |         | <del>  </del> |                                                  |             | <del> </del>                                     | <b> </b>                                         |             |            |                                                  |
| !            |     |             | }        |                                                  |                                                  | ٠,          |              |          |          |         |         |         |         |               |                                                  |             |                                                  |                                                  |             |            |                                                  |
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               |                                                  | <del></del> | <del> </del> -                                   | <del> </del>                                     |             |            | <del> </del>                                     |
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         | ,             | . 1                                              |             |                                                  |                                                  |             |            | l                                                |
|              |     |             | <u> </u> |                                                  |                                                  |             |              |          |          |         |         |         |         | ;             | <del></del> -                                    |             | <del> </del>                                     | <del> </del>                                     |             |            | <u> </u>                                         |
|              |     |             |          |                                                  |                                                  | ,           |              | •        |          |         | ĺ       | i       |         |               |                                                  |             |                                                  |                                                  |             |            | 1                                                |
|              |     |             | <u> </u> |                                                  | <del> </del>                                     | <u> </u>    |              |          |          |         |         |         |         | <del>  </del> | <del> </del>                                     |             | <del> </del>                                     | <del>                                     </del> |             | <u> </u>   | <del>                                     </del> |
| l            |     |             |          |                                                  | 1                                                |             |              |          |          |         |         |         |         |               | [ }                                              |             | į                                                |                                                  |             |            |                                                  |
|              |     |             |          | <del>                                     </del> | <del>                                     </del> | <b></b>     |              |          |          |         |         |         |         |               |                                                  |             | <del>                                     </del> |                                                  |             |            | i                                                |
| l            |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               | !                                                |             | İ                                                |                                                  |             |            |                                                  |
|              |     |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               | i                                                |             |                                                  | 1                                                |             | T          | <del>                                     </del> |
|              |     |             |          |                                                  |                                                  |             |              | <u> </u> |          |         |         |         |         |               |                                                  |             |                                                  |                                                  |             |            |                                                  |
| <u> </u>     | ,   |             |          |                                                  |                                                  |             |              |          |          |         |         |         |         |               |                                                  |             |                                                  |                                                  |             |            |                                                  |
| 1            |     |             | L        |                                                  | l                                                | l           |              |          |          |         |         |         |         | L             |                                                  |             | L                                                |                                                  |             |            | L                                                |
|              |     | Ĭ           | l .      |                                                  |                                                  | i -         |              |          |          |         |         |         |         |               |                                                  |             |                                                  |                                                  |             |            | !                                                |
|              |     | <u> </u>    |          | L                                                | <u> </u>                                         |             |              | Ĺ        |          |         |         |         |         | <u> </u>      |                                                  |             | L                                                | <u> </u>                                         |             |            |                                                  |
| lement (X)   |     | ΣX'         |          |                                                  | z x                                              |             | X            | · 2      |          | No. Ob  |         |         |         |               |                                                  |             |                                                  | h Tempera                                        |             |            |                                                  |
| el. Hum.     |     | <u> 363</u> | 5243     | <u> </u>                                         | 555                                              | 41          | 59,7<br>41.3 | 18.5     | 09       | 9       | 30      | 29      |         | ± 32 F        | ≥ 67                                             |             | 73 F                                             | > 80 F                                           | • 93        | F          | Total                                            |
| ry Bulb      |     | 168         | 7540     |                                                  | 383                                              | 00          | 41.3         | 10.0     | 21       |         | 30      |         |         | 19.5          |                                                  | .3          |                                                  |                                                  | <u> </u>    |            | 9                                                |
| et Bulb      |     | 120         | 1988     | <b> </b>                                         | 327                                              | <u> </u>    | 35.2         | 7.4      | <u> </u> | 9       | 30      |         | - !!    | 31,4          | <b></b> _                                        |             |                                                  | ļ                                                | <del></del> | <u></u>    | 9                                                |
| ew Point     |     | 7}          | 7541     |                                                  | 249                                              | 51          | 26,9         | 7.0      | /6       | 9       | 30      |         | •5      | 72,8          |                                                  |             |                                                  | <u> </u>                                         |             |            | - 1                                              |

### PSYCHROMETRIC SUMMARY

| STATION   | MA  | LMST  | RUM / | AF8 1 | MT/GF          | HEAT            | FALI     | <u>.s</u>      |         | 68-           | 77       |         |             | VF.      | ARS        |           |             |          |          | C T            |
|-----------|-----|-------|-------|-------|----------------|-----------------|----------|----------------|---------|---------------|----------|---------|-------------|----------|------------|-----------|-------------|----------|----------|----------------|
| 3121104   |     |       |       | 3.    | A1108 8A       | ·ML             |          |                |         |               |          |         |             |          | -n-3       |           | PAG         | E 1      |          | LL             |
| Temp.     |     |       |       |       |                | WET             | BULB T   | EMPER          | ATURE   | DEPRE         | SSION (I | F)      | <del></del> |          |            |           | TOTAL       |          | TOTAL    | ., 3. 1.       |
| (F)       | e   | 1 . 2 | 3 · 4 | 5 - 6 | 7 - 8          | 9 - 10          | 11 - 12  | 13 - 14        | 15 - 16 | 17 - 18       | 19 - 20  | 21 - 22 | 23 - 24     | 25 - 26  | 27 - 28 29 | - 30 ≥ 31 | D.B./W.B.   | Dry 8 lb | Wet Bulb | Dew P          |
| 4/ 83     |     |       |       |       |                | 1               |          |                |         |               |          | i       |             |          | •0         |           | 1           | 1        |          |                |
| 2/81      |     |       |       |       | <u> </u>       |                 |          |                |         |               |          |         |             | •0       | .1         | •0        | 12          | 12       |          |                |
| 0/ 79     |     |       |       |       |                | - `             |          | 1              |         |               |          |         | • 1         | •1       | . 2        | •0        | 23          | 23       |          |                |
| 8/ 77     |     |       |       |       | !              |                 |          |                |         |               |          | • 0     | • 1         | •3       | •1         |           | 41          | 41       |          |                |
| 6/ 75     | - 1 | - 1   |       |       | i              |                 |          | İ              |         |               | . 1      | • 1     | • 2         | .3       | •0         |           | 52          | 52       |          | ĺ              |
| 4/ 73     |     |       |       |       |                |                 |          |                |         |               | 1        | - 2     | ,3          | •1       |            |           | 55          | 55       |          |                |
| 2/ 71     |     |       | 1     |       | - 1            | . 1             | -        |                |         | • 1           | . 2      | .4      | • 2         | .0       |            |           | -62         | 62       |          |                |
| 0/ 69     |     |       |       | }     |                |                 |          |                | 0,      | .3            | .7       | ,4      | 1           |          |            |           | 107         | 107      |          | _              |
| 8/ 67     |     |       |       | 1     |                |                 | 1        | į              | • 1     | .5            | , 5      | . 2     | •0          | 1 1      |            |           | 97          | 97       |          | İ              |
| 6/ 65     |     |       |       |       | \              |                 |          | • 2            | 5       | .7            | .4       | -1      |             |          |            |           | 142         | 142      |          | <u> </u>       |
| 4/ 63     |     |       |       |       | - 1            |                 | • 0      | . 4            | . 8     | .6            | . 3      | • 1     | •0          |          |            |           | 169         | 169      |          |                |
| 2/ 61     |     |       |       |       |                | •0              | .2       | - 6            | •9      |               | •1       | •1      |             |          |            |           | 178         | 178      |          | <u> </u>       |
| 0/ 59     |     |       |       |       | • 0            | • 1             | • 5      | 1.0            | . 9     | .2            | •0       | - 1     |             |          | 1          |           | 200         | 200      |          |                |
| 8/ 57     |     |       |       |       | • 1            | •4              | 1.2      | 1.3            | . 5     | .2            |          |         |             |          |            |           | 272         | 272      |          | ļ              |
| 6/ 55     |     |       |       | • 1   | • 2            | 1.2             | 1.5      |                | , 3     |               |          |         |             | 1 1      | 1          |           | 333         | 333      | 20       |                |
| 4/ 53     |     |       | • 0   | .1    | ,5             | 1.4             | 1.7      | 1.0            | • ?     |               |          |         |             |          |            |           | 364         | 364      | 52       | <u> </u>       |
| 2/ 51     |     |       | • 1   | • 2   | . 7            |                 | 1.9      | • 7            | • 1     |               |          |         |             |          | İ          |           | 403         | 403      | 179      |                |
| 0/ 49     |     | •0    | • 1   | • 5   | 1,5            | 1.7             | 1.1      | • 2            |         |               |          |         |             | <u> </u> | !          |           | 380         | 380      | 307      | <u> </u>       |
| 8/ 47     | l   | • 0   | • 2   |       | 1.9            |                 | . 8      | • 0            |         |               | i        |         |             |          | -          |           | 424         | 424      | 354      | ł              |
| 6/ 45     |     | .3    | • 5   | 1.4   | 2,6            | 1.3             | .3       | . 1            |         | <u> </u>      |          |         |             |          |            |           | -482        | 482      | 489      | <u> </u>       |
| 4/ 43     | • 0 | • 5   | +6    |       | 1.4            | ,7              | • 2      |                |         |               |          |         |             | l. I     | į          |           | 413         | 413      | 727      | }              |
| 2/ 41     | • 0 |       | 1.1   | 1.7   | 1.1            | •4              | .1       | • 0            |         |               |          |         |             | 4        |            |           | 372         | 372      | 688      | <del>  _</del> |
| 0/ 39     |     | . 9   | 2.0   | 1.7   | • 9            | , 2             | • 0      | <b> </b>       |         | 1 1           |          |         |             |          |            | ļ         | 454         | 434      | 733      |                |
| 8/ 37     | •0  |       | 1.7   | 1.2   | ,7             | _ •1            |          |                |         |               |          |         |             |          |            |           | 381         | 381      | 742      |                |
| 6/ 35     | • 1 |       |       |       |                | •0              |          |                |         |               |          |         |             | ]        |            | i         | 362         | 362      | 664      | 4              |
| 4/ 33     | • 2 |       |       | . 9   | , Ž            |                 |          |                |         |               |          |         |             |          |            |           | .340        | 340      | 485      | 6              |
| 2/ 31     | . 4 | 2.0   |       |       |                |                 |          |                |         |               |          |         |             |          |            | į         | -328        | 328      | 549      | 8              |
| 0/ 79     |     | 1.9   |       |       | •0             |                 |          |                |         |               |          |         |             |          |            | _         | 269         | 269      | 438      |                |
| 8/ 27     | • 7 |       |       |       |                | ,               |          |                |         | 1             |          |         |             |          |            |           | 216         | 216      | 354      |                |
| 6/ 25     | , 4 | 1,3   |       | -1    |                |                 |          |                |         | <del>  </del> |          |         |             |          |            |           | 169         | 169      | 228      | 7              |
| 4/ 23     | •6  |       |       |       |                |                 |          |                |         | j l           | j        |         |             |          |            | ļ         | 132         | 132      | \$10     | 5              |
| 2/ 21     | . 3 |       |       |       |                |                 |          |                |         |               |          |         | <u> </u>    |          |            |           | 78          | 78       | 135      |                |
| C/ 19     | . 2 |       | •0    |       |                |                 |          |                |         |               |          |         |             |          |            |           | 55          |          | 68       |                |
| 8/ 17     | 0   |       | •0    |       | <b>ب</b>       |                 | <u> </u> | ليسا           |         | لي زيا        |          |         |             | 1        |            |           | 16          |          | 30       | 2              |
| ement (X) |     | Σχ²   |       |       | z <sub>X</sub> | <del> -</del> - | X        | ₹ <sub>X</sub> |         | No. Ob        | s.       |         |             |          |            |           | ith Tempera |          |          |                |
| el. Hum.  | ·   |       |       |       |                |                 |          |                |         |               | }        | ≤ 0 1   | F   :       | 1 32 F   | ≥ 67 F     | ≥ 73 F    | ≥ 80 F      | ≥ 93 F   | <u> </u> | Total          |
| ry Bulb   |     |       |       |       |                |                 |          |                | _ _     |               |          |         |             |          |            |           |             |          |          |                |
| et Bull   |     |       |       |       |                | _ :             |          |                | -       |               |          |         |             |          |            |           |             |          |          |                |

MM 0-26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS I

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FETAC FORM 0-20

# PSYCHROMETRIC SUMMARY

| 24112<br>STATION | MA  | LMST     | ROM                                              | AFB                                              | MT/G                                             | REAT                                             | FAL                                              | LS           |         | 08-     | 77          |         |         | - VE    | ARS         |         |                                                  |            |          |          | ; T      |
|------------------|-----|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|---------|---------|-------------|---------|---------|---------|-------------|---------|--------------------------------------------------|------------|----------|----------|----------|
| STATION          |     |          |                                                  | 5                                                | YATION N                                         | AME                                              |                                                  |              |         |         |             |         |         | YE      | ARS         |         |                                                  | PAGE       | 2        | AL       |          |
| Temp             |     |          | ·                                                |                                                  |                                                  | WET                                              | BULB '                                           | TEMPER       | ATURE   | DEPRE   | SSION (     | F)      |         |         |             |         |                                                  | TOTAL      |          | TO:AL    |          |
| (F)              | 0   | 1 - 2    | 3 - 4                                            | 5 - 6                                            | 7 - 8                                            | 9 - 10                                           | 11 - 12                                          | 13 - 14      | 15 - 16 | 17 - 18 | 19 - 20     | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28     | 29 - 30 | ≥ 31                                             | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew Poir |
| 16/ 15           | •0  | .3       | •0                                               | i                                                |                                                  | <b></b>                                          |                                                  | 1            |         |         |             |         |         |         | f           |         | i –                                              | 24         | 24       | 24       | 189      |
| 14/ 13           | .0  | • 1      |                                                  | ļ                                                |                                                  |                                                  | 1                                                | 1            |         |         | 1           |         |         |         | j           |         |                                                  | 8          | 8        | 15       | 115      |
| 12/ 11           | •0  | .1       | <del>                                     </del> |                                                  | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |              |         |         |             |         |         |         | <del></del> |         | <del> </del>                                     | 6          | 6        | 8        | 57       |
| 10/ 9            | •   | , ,      | ļ                                                | ţ                                                |                                                  |                                                  | Ì                                                |              |         |         |             |         |         |         |             |         | İ                                                | 9          | 9        | 6        | 67       |
| 8/ 7             | •0  | <u> </u> | <del>                                     </del> | i- <i></i>                                       | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | 11           |         |         |             |         |         | -       |             |         | <del> </del> -                                   | 2          | 3        | 6        | 22       |
| 6/ 5             | .0  |          |                                                  | İ                                                |                                                  |                                                  |                                                  |              |         |         |             |         | !       |         | 1           |         | l                                                | 2          | 2        | 2        | 13       |
| 4/ 3             | •0  | •1       |                                                  | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     |                                                  |              | ·       |         |             |         |         |         |             |         | <del>                                     </del> | 8          | 8        | 4        | 12       |
|                  | .1  | .0       |                                                  |                                                  |                                                  |                                                  | 1                                                |              |         |         |             |         |         |         |             |         |                                                  | 10         | 10       | 13       | 7        |
| 2/ 1             | •1  |          |                                                  |                                                  | i                                                | <del> </del>                                     | <del> </del>                                     |              |         |         | <del></del> |         |         |         |             |         |                                                  | 4          |          | 5        | 6        |
| -2/ -3           | .0  |          |                                                  | ļ                                                |                                                  | i                                                |                                                  |              |         |         |             |         |         |         |             |         | )                                                | 3          | 3        | 3        | 12       |
| -4/ -5           | .0  |          |                                                  | 1                                                | t                                                | <del>                                     </del> |                                                  |              |         |         |             |         |         |         |             |         | <del>                                     </del> | 1          | ī        | 1        | 5        |
| -6/ -7           |     | ł        |                                                  |                                                  |                                                  |                                                  |                                                  |              |         |         |             |         |         |         | . 1         |         | l                                                | "          | _        |          | 2        |
| TUTAL            | 3.6 | 17.0     | 13.5                                             | 12.9                                             | 12.3                                             | 11.0                                             | 9.5                                              | 6.6          | 4.4     | 3.0     | 2.3         | 1.5     | 1.0     | •8      | •4          | •1      | i                                                | 1          | 7440     |          | 7439     |
| `-, '-           |     |          |                                                  | 1                                                |                                                  | , , ,                                            |                                                  | *            |         |         |             |         |         |         | 1           |         | 1                                                | 7439       |          | 7439     |          |
| i                |     | ļ ———    |                                                  | <del>                                     </del> | 1                                                |                                                  |                                                  |              |         |         |             |         |         |         | •           |         |                                                  |            |          |          |          |
|                  |     |          | ]                                                |                                                  |                                                  | 1                                                | 1                                                |              |         |         |             |         |         | ٠       |             |         | 1                                                |            |          |          |          |
|                  |     |          | †                                                | <del>                                     </del> | <del>                                     </del> | <u> </u>                                         |                                                  |              |         |         |             |         |         |         |             |         |                                                  | <b>†</b>   |          |          |          |
|                  |     | <u> </u> |                                                  | 1                                                |                                                  | 1                                                |                                                  |              |         | İ       |             |         |         |         |             |         | l                                                | ]          |          |          | i        |
|                  |     |          | i                                                | 1                                                | 1                                                | 1                                                | 1                                                | 11           |         |         |             |         |         |         |             | _       | i                                                | i i        |          |          |          |
|                  |     |          |                                                  | i                                                |                                                  |                                                  |                                                  |              |         |         |             |         |         |         |             |         | l                                                |            |          |          |          |
|                  |     | <u> </u> | i —                                              | 1                                                | 1                                                | 1                                                | 1                                                | 11           |         | i       |             |         |         |         |             | ,       | <del>                                     </del> | 11         |          |          |          |
|                  |     |          |                                                  | ľ                                                |                                                  |                                                  | }                                                |              |         |         |             |         |         |         |             |         | 1                                                |            |          | [        |          |
|                  |     | 1        |                                                  | 1                                                | 1                                                | 1                                                |                                                  |              |         | i       |             |         |         |         |             |         | 1                                                |            |          |          |          |
|                  |     |          |                                                  |                                                  | ļ                                                |                                                  |                                                  | 1            |         |         |             |         |         |         |             |         |                                                  |            |          | ì        |          |
|                  |     |          |                                                  |                                                  |                                                  | i                                                |                                                  |              |         |         | i           |         |         |         |             |         | 1                                                |            |          |          |          |
|                  |     | }        | 1                                                |                                                  | į                                                | 1                                                | 1                                                |              |         | ļ       |             |         |         |         |             |         | 1                                                |            |          |          |          |
|                  |     |          | 1                                                |                                                  |                                                  | · ·                                              |                                                  |              |         |         |             |         |         |         |             |         |                                                  |            |          |          |          |
|                  |     |          |                                                  |                                                  |                                                  |                                                  | j                                                | ]            |         |         |             |         |         |         |             |         |                                                  |            |          |          |          |
|                  |     | <u> </u> |                                                  | Ţ                                                |                                                  |                                                  |                                                  |              |         |         | <u> </u>    |         |         |         |             |         |                                                  |            |          |          |          |
|                  |     |          |                                                  |                                                  |                                                  |                                                  | 1                                                | Į į          |         |         | ļ           |         |         |         |             |         |                                                  |            |          |          |          |
|                  |     |          | Γ-                                               | T                                                |                                                  | ٠.                                               |                                                  |              |         |         |             |         |         |         |             |         |                                                  |            |          |          |          |
| ļ                |     | ļ        |                                                  |                                                  | 1                                                |                                                  |                                                  |              |         |         |             | ]       |         |         |             |         |                                                  |            |          |          |          |
|                  |     | ,<br>    |                                                  |                                                  |                                                  |                                                  | [                                                |              |         | l       |             |         |         |         |             |         |                                                  |            |          |          |          |
|                  |     |          | <u> </u>                                         |                                                  |                                                  |                                                  |                                                  |              |         | <u></u> |             |         |         |         |             |         |                                                  | <u> </u>   |          |          |          |
| Element (X)      |     | Σχ²      |                                                  |                                                  | Σχ                                               |                                                  | X                                                | <b>"</b> x   |         | No. Ol  |             |         |         |         |             |         |                                                  | h Temperat |          |          |          |
| Rel. Hum.        |     | 2548     | 5698                                             | 1                                                | 4050                                             | 78                                               | 54,5                                             | 21.4<br>13.2 | 68      | 74      | 39          | ≤ 0 1   |         | 32 F    | ≥ 67        |         | 73 F                                             | ≥ 80 F     | × 93     | F '      | Total    |
| Dry Bulb         |     |          | 6905                                             |                                                  | 3350                                             | )83                                              | 45.0                                             | 13.2         | 47      | 74      | 40          |         |         | 34.1    | 45          | 0       | 18.4                                             | 2.0        | 2        |          | 744      |
| Wet Bulb         |     |          | 4134                                             |                                                  | 2759                                             |                                                  | 37.1                                             | 8.2          | 63      |         | 39          |         | . 7 2   | 09.9    |             |         |                                                  |            |          |          | 744      |
| Dew Paint        |     | 584      | 9391                                             | l.                                               | 2020                                             | )57                                              | 27.2                                             | 6.9          | 68      | 74      | 39          | 2       | .5 5    | 82,8    |             |         |                                                  |            | I        |          | 744      |

EEVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## PSYCHROMETRIC SUMMARY

| 4112<br>STATION | - FIA | LII 3 I I | <u> </u> |          | TATION N | REAT                                             | 1 ~ 5    | <u> </u>                                         |                                                  | <u>68-</u>                                       | <u>' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' </u>    |            | <b>.</b> | YE       | ARS        |              | PAGE        | 1       | NO<br>MON<br>OOOO-<br>HOURS (L | TH 020 |
|-----------------|-------|-----------|----------|----------|----------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------|----------|----------|------------|--------------|-------------|---------|--------------------------------|--------|
| Temp            |       |           | -        |          |          | WET                                              | BULB 1   | TEMPER                                           | ATURE                                            | DEPRE                                            | SSION (                                          | F)         |          |          |            |              | TOTAL       |         | TOTAL                          |        |
| (F)             | 0     | 1 - 2     | 3 - 4    | 5 - 6    | 7 - 8    | 9 - 10                                           | 11 - 12  | 13 - 14                                          | 15 - 16                                          | 17 - 18                                          | 19 - 20                                          | 21 - 22    | 23 - 24  | 25 - 26  | 27 - 28 29 | - 30 ≥ 31    | D.B./W.B. D | r. Bulb | Wet Bulb I                     | Dew I  |
| 60/ 59          |       |           |          |          |          |                                                  |          |                                                  | i                                                | •1                                               | i                                                |            |          |          |            |              | 1           | I       | Ī                              |        |
| 58/ 57          | - 1   | l         |          |          |          |                                                  |          | .1                                               | • 2                                              |                                                  |                                                  |            |          |          |            |              | 3           | 3       |                                |        |
| 56/ 55          |       |           |          |          |          |                                                  | •7       | .3                                               |                                                  |                                                  |                                                  |            |          |          | i          |              | 11          | 11      |                                |        |
| 54/ 53          |       | l         |          |          | . 2      | • 2                                              | . 5      | .1                                               | .4                                               |                                                  |                                                  |            |          | 1        |            |              | 14          | 14      | 1                              |        |
| 52/ 51          |       |           |          |          |          | • 8                                              | .7       | .4                                               |                                                  |                                                  |                                                  |            |          |          |            |              | 17          | 17      |                                |        |
| 50/ 49          | - 1   |           |          | . 3      | .8       |                                                  | •7       | .6                                               | ı                                                |                                                  |                                                  |            |          |          |            | 1            | 26          | 26      | ļ                              |        |
| 48/ 47          |       |           |          | • 2      |          | .9                                               |          | • 2                                              |                                                  | <del>                                     </del> | l                                                |            |          |          |            |              | 26          | 26      |                                |        |
| 46/ 45          | ļ     |           | . 1      | 1.1      |          |                                                  |          |                                                  | 1                                                |                                                  | 1                                                | ļ [        |          | ]        | .          |              | 43          | 43      | 4                              |        |
| 44/ 43          |       |           | • 7      | , 8      |          | 1.4                                              | •1       |                                                  |                                                  | T                                                |                                                  |            |          |          |            |              | 46          | 46      | 14                             |        |
| 42/ 41          |       | . 3       | .7       | 2.0      |          | 1                                                | .2       |                                                  |                                                  | 1                                                |                                                  |            |          | İ        |            |              | 46          | 46      | 33                             |        |
| 40/ 39          |       | .3        | 1.1      | 1.9      | 1,6      |                                                  |          |                                                  |                                                  | <del>                                     </del> | <del>                                     </del> |            |          | †I       |            |              | 56          | 56      | 44                             |        |
| 33/ 37          |       | .6        | . 6      | 2.1      | В        | .3                                               |          | •                                                |                                                  | 1                                                |                                                  |            |          |          |            |              | 39          | 39      | 53                             |        |
| 36/ 35          | • 1   | .4        | 1.4      |          |          |                                                  |          | <del>                                     </del> | <del>                                     </del> |                                                  |                                                  |            |          | 1        |            |              | 49          | 49      | 79                             |        |
| 34/ 33          | .3    |           | 2.1      |          |          |                                                  |          |                                                  | ł                                                |                                                  | Ì                                                | 1          |          | 1 1      |            |              | 56          | 56      | 62                             |        |
| 32/ 31          |       | 1.4       |          |          |          | <del>                                     </del> |          | <b></b>                                          |                                                  | <del>                                     </del> | <u> </u>                                         | i          |          | 1        |            |              | 52          | 52      | 70                             |        |
| 30/ 29          | .1    |           | 2.2      |          |          |                                                  | 1        | ļ                                                | ļ                                                | 1                                                |                                                  |            |          | 1.       |            | 1            | 55          | 55      | 79                             |        |
| 28/ 27          | 1.6   |           |          |          |          | <b></b> -                                        |          | <b></b>                                          | <del>                                     </del> | 1                                                | <del>                                     </del> |            |          |          |            |              | 69          | 69      | 80                             |        |
| 26/ 25          | 1.0   |           |          |          | 1        |                                                  |          |                                                  |                                                  | 1                                                | j                                                |            |          | 1        |            |              | 50          | 50      | 72                             |        |
| 24/ 23          | 1.0   |           |          |          |          | <del> </del>                                     |          |                                                  | 1                                                | 1                                                | †                                                |            |          |          |            |              | 33          | 33      | 68                             |        |
| 22/ 21          | .6    |           | 1.0      |          |          | 1                                                | }        |                                                  | ļ                                                | 1                                                | ļ                                                |            |          |          | ļ          |              | 28          | 28      | 31                             |        |
| 20/ 19          | •6    |           | • 2      |          | 1        | i                                                | i — —    | 1                                                | 1                                                | 1                                                |                                                  |            |          | 1        |            |              | 27          | 27      | 39                             |        |
| 18/ 17          | • -   | 1.2       |          | }        |          | ļ                                                | ļ        |                                                  | ļ                                                | 1                                                | 1                                                |            |          |          |            | ļ            | 11          | 11      | 22                             | _      |
| 16/ 15          | 3     | 1.0       | •1       | i —      |          | 1                                                |          |                                                  |                                                  |                                                  |                                                  |            |          |          |            |              | 13          | 13      | 16                             |        |
| 14/ 13          | 7     | 1.6       | , 2      |          | 1        |                                                  |          | 1                                                |                                                  |                                                  |                                                  |            |          |          |            |              | 27          | 22      | 16                             |        |
| 12/ 11          | .9    | 1,7       | • 1      |          |          |                                                  |          | Ī                                                |                                                  |                                                  |                                                  |            |          |          |            |              | 24          | 24      | 26                             |        |
| 10/ 9           | 1.1   | .7        |          |          | İ        | ١,                                               |          |                                                  |                                                  |                                                  | 1                                                |            |          | <u>L</u> | I ·        |              | 16          | 16      | 20                             |        |
| 8/ 7            | • 3   | .4        |          |          |          |                                                  |          |                                                  | Ï                                                |                                                  |                                                  |            |          |          |            |              | 7           | 7       | 9                              |        |
| 6/ 5            | 2     | .3        |          | 1        |          | ١                                                | <u> </u> |                                                  |                                                  | <u>L</u>                                         |                                                  | <u> </u>   |          | L        |            |              | 5           | 5       | 5                              |        |
| 4/ 3            | .7    | .6        |          |          | T        |                                                  | i        | Ì                                                |                                                  |                                                  |                                                  |            |          | ì        |            |              | 11          | 11      | 10                             |        |
| 2/ 1            | . 4   |           |          |          |          | -                                                |          | 1                                                | <u>_</u> _                                       |                                                  |                                                  | <u>L</u> . |          | <u> </u> | Ll .       |              | 12          | 12      | 14                             |        |
| 0/ -1           | .7    | .2        |          |          |          |                                                  |          |                                                  |                                                  |                                                  |                                                  |            |          |          |            |              | 8           | 8       | 8                              |        |
| -2/ -3          | . 3   | .6        |          |          |          |                                                  |          | <u>L</u>                                         |                                                  |                                                  |                                                  |            | <u> </u> | <u></u>  |            |              | 8           | 8       | 9                              |        |
| -4/ -5          | . 3   |           |          |          |          |                                                  |          |                                                  |                                                  |                                                  |                                                  |            |          |          |            |              | 4           | 4       | 5                              |        |
| -6/ -7          | . 3   | -1        |          | <u> </u> |          | <u> </u>                                         |          | <u> </u>                                         | <u> </u>                                         |                                                  | 1                                                | <u> </u>   |          |          |            |              | 4           | 4       | 3                              |        |
| Element (X)     |       | Σχ²       |          |          | Σχ       |                                                  | X        | •,                                               |                                                  | No. 0                                            | bs.                                              |            |          |          | Mean No.   | of Hours wit | h Temperatu | re      |                                |        |
| Rel. Hum.       |       |           |          |          |          |                                                  |          |                                                  |                                                  |                                                  |                                                  | ± 0        | F        | ≤ 32 F   | ≥ 67 F     | ≥ 73 F       | ≥ 80 F      | ≥ 93 f  | <u> </u>                       | Total  |
| Dry Bulb        |       |           |          |          |          |                                                  |          |                                                  |                                                  |                                                  |                                                  |            |          |          |            |              |             |         |                                |        |
| Wet Bulb        |       |           |          |          |          |                                                  |          |                                                  |                                                  |                                                  |                                                  |            |          |          |            |              | 1           |         |                                |        |
| Dew Point       |       |           |          |          |          | 1                                                |          |                                                  |                                                  |                                                  |                                                  |            |          |          | L          |              |             | <u></u> |                                |        |

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MALMSTRUM AFB NT/GREAT FALLS STATION HOME MONTH 1 PAGE 2 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 20 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -8/ -9 2 -10/-11 -12/-13 5 10 •6 2 3 -14/-15 -16/-17 -18/-19 -20/-21 -22/-23 -24/-25 TOTAL 12.427.019.415.711.1 7.8 3.8 1.8 900 900 900 900 õ No. Obs. Element (X) Zx2 Mean No. of Hours with Temperature USAFETAC 57144 27594 63,518,028 30,713,912 Rel. Hum. 3920438 900 ≤ 32 F 900 1020040 3.2 46.7 Dry Bulb 23718 26.411.236 18.510.549 900 3.4 61.1 6.6 54.7 Wet Bulb 738546 16636 407542 Dew Point

### **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MA      | LMST  | ROM   |       | MT/G         | REAT     | FAL      | LS       | <del></del> | <u> </u>                                         | 77             |              |              | YE          | :ARS                                             |                  |         |           |                  |          | DV                                               |
|------------------|---------|-------|-------|-------|--------------|----------|----------|----------|-------------|--------------------------------------------------|----------------|--------------|--------------|-------------|--------------------------------------------------|------------------|---------|-----------|------------------|----------|--------------------------------------------------|
|                  |         |       |       |       |              | ,        |          |          |             |                                                  |                |              |              |             |                                                  |                  |         | PAGE      | 1                |          | -0500                                            |
| Temp             |         |       |       |       |              | WET      | BULB 1   | EMPER    | ATURE       | DEPRE                                            | SSION          | (F)          |              |             |                                                  |                  |         | TOTAL     |                  | TOTAL    |                                                  |
| (F)              | 0       | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8        | 9 - 10   | 11 - 12  | 13 - 14  | 15 - 16     | 17 - 18                                          | 19 - 20        | 21 - 22      | 23 - 2       | 4 25 - 26   | 27 - 28 2                                        | 9 - 30           | × 31    | D.B./W.B. | Dry Bulb         | Wet Bulb | Dew Point                                        |
| 58/ 57           |         |       |       |       |              |          | i        |          | .1          |                                                  | <u> </u>       | †            | <u> </u>     |             |                                                  |                  |         | 1         | 1                |          |                                                  |
| 56/ 55           |         |       | 1     |       |              | • 3      | .4       | . 1      | .2          | l                                                |                |              | 1            | -           | i                                                |                  |         | 10        | 10               |          |                                                  |
| 54/ 53           |         |       |       |       |              | • 2      | .8       | - 7      | •1          | <del> </del>                                     |                | <del> </del> | t            | <del></del> | <del> </del>  -                                  |                  |         | 16        | 16               |          | <del>                                     </del> |
| 52/ 51           |         |       |       |       | • 2          |          | .7       | .6       |             |                                                  |                | ŀ            |              |             |                                                  | i                |         | 20        | 20               |          | 1                                                |
| 50/ 49           |         |       |       | • 2   | .7           |          | .2       | .2       | •1          |                                                  | <del> </del>   | <del> </del> | <del> </del> |             | <del>  -</del>                                   | <del>.  </del> - |         | 16        | 16               |          | <del> </del>                                     |
|                  |         |       | ,     |       |              | .3       |          |          | • •         | 1                                                |                | }            |              | 1           |                                                  | l                |         | 19        | 19               |          | ŀ                                                |
| 48/ 47           |         |       | • 1   | .8    | + + +        | 3 4      |          | •2       |             | <del> </del>                                     | <del> </del>   | <del> </del> | <del></del>  | ╂           | <del>  </del> -                                  |                  |         | 42        | $-\frac{17}{42}$ |          |                                                  |
| 46/ 45           |         |       | _     |       |              |          | .6       | • 4      |             |                                                  | ļ.             | 1            |              | l           |                                                  | į                | l       |           |                  | 3        | ļ                                                |
| 44/ 43           |         |       | . 9   |       | 1,4          |          | • 1      |          |             | <u> </u>                                         | <u> </u>       | <b> </b> -   |              |             |                                                  |                  |         | 47        | 47               | 14       | ļ                                                |
| 42/ 41           |         | - 8   | •4    |       |              |          |          |          |             | 1                                                | l .            | İ            |              |             | 1                                                | 1                |         | 47        | 47               | 23       | ١.                                               |
| 40/ 39           |         | • 4   | 1.2   |       |              |          |          |          |             |                                                  | <u> </u>       | <b></b>      |              | ļ           |                                                  |                  |         | 53        | 53               | 64       | 1                                                |
| 38/ 37           |         | • 1   | 1.6   | 2.8   |              | • 2      |          |          |             |                                                  | 1              |              |              |             | 1 1                                              | Ì                | 1       | 51        | 51               | 41       | 11                                               |
| 36/ 35           |         | . 8   | 1.2   | 2.2   | 1.3          |          |          |          |             | <u> </u>                                         |                | <u> </u>     |              |             |                                                  |                  |         | 50        | 50               | 53       | 10                                               |
| 34/ 33           | . 1     | 1.2   | 1.0   |       | . 8          |          |          |          |             | 1                                                |                |              | İ            |             |                                                  | ľ                | 1       | 47        | 47               | 76       | 28                                               |
| 32/ 31           | . 2     | 1.4   | 1.7   | 1.7   |              |          |          |          |             | <u> </u>                                         | 1              |              | Í            |             |                                                  |                  |         | 49        | 49               | 72       | 45                                               |
| 30/ 29           | .7      | 1.8   | 2.6   | . 6   | , 1          |          |          |          |             |                                                  |                |              |              | 1           |                                                  |                  |         | 51        | 51               | 76       | 41                                               |
| 28/ 27           | 1.0     | 3.1   | 3.0   | . 3   |              |          |          |          |             |                                                  |                |              |              |             |                                                  |                  | ļ       | 67        | 67               | 78       | 69                                               |
| 26/ 25           | 1.3     |       | 1.8   |       |              | ,        |          |          |             |                                                  |                |              |              | 1           |                                                  |                  |         | 54        | 54               | 74       | 71                                               |
| 24/ 23           | • 7     |       | 1.1   |       |              |          |          | l i      |             | İ                                                | ļ              | l            | •            | 1           |                                                  | ļ                |         | 37        | 37               | 62       | 65                                               |
| 22/ 21           | •9      |       |       |       |              |          |          |          |             | 1                                                | 1              |              |              |             |                                                  |                  |         | 29        | 29               | 50       | 76                                               |
| 20/ 19           | . 9     | 1.8   | .1    |       |              |          |          |          |             | 1                                                | 1              | 1            | 1            | 1           |                                                  |                  |         | 25        | 25               | 28       | 69                                               |
| 18/ 17           | .7      | 2.0   | •1    |       |              |          |          |          |             |                                                  | <u></u>        | 1            |              |             |                                                  |                  |         | 25        | 25               | 30       | 71                                               |
| 16/ 15           | . 3     |       | .3    |       |              |          |          |          |             | 1                                                | ł              | 1            | 1            | ì           |                                                  |                  |         | 16        | 16               | 20       | 79                                               |
| 14/ 13           | .8      | 1.3   |       |       |              |          |          |          |             | i                                                | 1              | <del> </del> | <b></b>      | +           | <del>  -</del>                                   |                  |         | 19        | 19               | 17       | 65                                               |
| 12/ 11           | 1.0     | . 2   | .2    |       |              |          |          |          |             |                                                  | j              | 1            |              |             | l i                                              |                  |         | 13        | 13               | 20       | 35                                               |
| 10/ 9            | , 8     | 1.0   |       |       | <b> </b>     |          |          |          |             | <del> </del>                                     | <del> </del>   | <del> </del> | <del> </del> | +           |                                                  |                  |         | 16        | 16               | 11       | 37                                               |
| 8/ 7             | .2      |       | •1    |       |              | ١.١      |          |          |             |                                                  | ł              |              |              |             | 1 1                                              | - 1              |         | 11        | ii               | 14       | 25                                               |
| 6/ 5             | • 4     |       |       |       |              |          |          |          |             | <del> </del>                                     | <del> </del>   | 1            |              |             | <del>  -</del>                                   |                  |         | 9         | - 9              | 9        | 10                                               |
| 4/ 3             | .2      | 1.6   |       |       |              |          |          |          |             | 1                                                |                |              |              |             |                                                  | 1                |         | 16        | 16               | 12       | - 5                                              |
| 2/ 1             | ,3      |       |       |       | <del> </del> |          |          |          |             | <del>                                     </del> | <del> </del> - | -            | ├            | +           | <del>                                     </del> | <del></del>  -   |         | 8         | 9                | 14       | 10                                               |
| 0/ -1            | 1.2     | .7    |       |       | 1            |          |          |          |             |                                                  |                |              |              |             | 1 1                                              | 1                |         | 17        | 17               | 14       | io                                               |
| -2/ -3           | 106     | 9 1   |       |       |              | <u> </u> |          |          |             |                                                  | -              |              | ├            |             |                                                  |                  |         | 3         | - 3              | 9        | 16                                               |
| i                | • 1     | •2    |       |       |              |          |          |          |             |                                                  |                |              |              |             |                                                  | }                |         | 5         | -                | 1        | .9                                               |
| -4/ -5           |         | •1    |       |       |              |          |          |          |             |                                                  |                | <del> </del> | <del> </del> |             | <del>                                     </del> |                  |         | 1         | 1                | 1        |                                                  |
| -6/ -7           | •2      |       |       |       | i            |          |          |          |             |                                                  |                | }            |              |             |                                                  | j                | -       | 2         | 3                | 2        | 11                                               |
| -8/ -9           | 3       |       | L     |       | <u></u>      |          | <u> </u> |          |             | <u> </u>                                         |                | 1            | <u> </u>     |             | بلسيا                                            |                  | لبــــا | 3         |                  | 3        |                                                  |
| Element (X)      | <b></b> | Σχ²   |       |       | Σχ           |          | X        | <b>₹</b> |             | No. OI                                           | 08.            |              |              |             |                                                  |                  |         | Temperate |                  |          |                                                  |
| Rel. Hum.        |         |       |       |       |              |          |          |          |             |                                                  |                | ⊴ 0          | F            | ≤ 32 F      | ≥ 67 F                                           | 2 7;             | 3 F     | ≥ 80 F    | ≥ 93             | F        | Total                                            |
| Dry Bulb         |         |       |       |       |              | -        |          |          |             |                                                  |                |              |              |             | ļ                                                |                  |         |           | <b> </b>         |          |                                                  |
| Wet Bulb         |         |       |       |       |              | _        |          |          |             |                                                  |                |              | $\perp$      |             | ļ                                                | . —              |         |           | <u> </u>         |          |                                                  |
| Dew Point        |         |       |       |       |              | 1:       |          | L        |             |                                                  |                |              | l_           |             | L                                                | .1               |         |           | l                | L        |                                                  |

0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE O

USAFETAC FOLM 0.26-5 (OL A)

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** 2 AIR WEATHER SERVICE/MAC 1 MALMSTRUM AFB MT/GREAT FALLS 68-77 ( 0300-0500 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -10/-11 6 -12/-13 -14/-15 2 2 3 2 -16/-17 -18/-19 -20/-21 -22/-23 3 1 2 1 -28/-29 TOTAL 13.528.617.916.011.2 6.9 3.0 2.0 899 900 899 899 *i*) **(**] **(**) () **()** Ŋ Element (X) No. Obs. Mean No. of Hours with Temperature 4046160 57994 64.518.429 Rel. Hum. 899 ± 32 F ≥ 93 F 48.1 985599 26969 30.014.050 900 90 Dry Bulb 3.5 25.911.448 18.210.921 90 Wet Buib 719292 23256 399 3.8 62.6 16363 404923 7.6 85.0 Dew Point 899

रुक्तक्ष्म इंदर्ग है पर

### PSYCHROMETRIC SUMMARY

| 4112             | MAL | MSIF  | ROM / | AFB<br>51   | MT/G                                             | REAT                                             | FALL          | .5      |          | 68-                                              | 77                                               |                                                  |               | Yi           | ARS            |               |                  | <del></del> . | NC<br>MON   |        |
|------------------|-----|-------|-------|-------------|--------------------------------------------------|--------------------------------------------------|---------------|---------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------|--------------|----------------|---------------|------------------|---------------|-------------|--------|
|                  |     |       |       |             |                                                  |                                                  |               |         |          |                                                  |                                                  |                                                  |               |              |                |               | PAGE             | 1             | 0600-       | 080    |
| Temp             |     |       |       |             |                                                  | WET                                              | BULB T        | EMPER   | ATURE    | DEPRE                                            | SSION                                            | (F)                                              |               |              |                |               | TOTAL            |               | TOTAL       |        |
| (F)              | 0 1 | 1 - 2 | 3 - 4 | 5 - 6       | 7 - 8                                            | 9 - 10                                           | 11 - 12       | 13 - 14 | 15 - 16  | 17 - 18                                          | 19 - 20                                          | 21 - 22                                          | 23 - 24       | 25 - 26      | 27 - 28 2      | 9 - 30 2 31   | D.B./W.B.        | Dry Bulb      | Wet Bulb    | Dew Po |
| 58/ 57           |     |       |       |             |                                                  |                                                  |               | .1      |          | .3                                               |                                                  |                                                  |               |              |                |               | 4                | 4             |             |        |
| 56/ 55           |     |       |       |             |                                                  |                                                  | . 3           | .3      | . 3      |                                                  |                                                  |                                                  |               |              |                |               | 9                | 9             |             |        |
| 54/ 53           |     | İ     |       |             | į l                                              | • 2                                              | .7            | .6      | , 1      |                                                  |                                                  |                                                  |               |              |                |               | 14               | 14            |             |        |
| 52/ 51           |     |       |       |             |                                                  | • 8                                              | - 1           | ,4      | 1        |                                                  |                                                  |                                                  |               |              |                |               | 13               | 13            |             |        |
| 50/ 49           | Ì   |       |       |             | • 6                                              |                                                  | .2            | • 4     | .3       |                                                  |                                                  |                                                  |               | l            |                | 1             | 23               | 23            | - 1         |        |
| 48/ 47           |     |       |       | •6          |                                                  | . 4                                              | • 3           | • 2     |          |                                                  |                                                  |                                                  |               |              |                |               | 18               | 18            |             |        |
| 46/ 45           |     |       |       | 1.0         |                                                  |                                                  | • 2           |         |          |                                                  |                                                  |                                                  |               |              | - 1            |               | 32               | 32            | 3           |        |
| 44/ 43           |     | -1    | • 4   |             |                                                  |                                                  | • 6<br>• 2    |         |          |                                                  | <u></u>                                          | -                                                |               |              |                |               | 57               | 57            | 8           |        |
| 42/ 41           |     | . 3   | . 3   | 2.0         | 1.1                                              |                                                  | • 2           |         |          |                                                  |                                                  |                                                  |               | [.           |                |               | 48               | 48            | 34          |        |
| 0/ 39            |     | . 8   | 1.0   | 1.7         | 1.0                                              | • 7                                              | •1            |         |          |                                                  |                                                  | ļ                                                |               |              |                |               | 47               | 47            | 41          |        |
| 38/ 37           |     | • 6   | 1.6   | 1.8         | 1,3                                              | • 2                                              | ļ             |         |          |                                                  |                                                  |                                                  |               |              |                |               | 49               | 49            | 48          | ,      |
| 36/ 35           |     | .7    | 1.3   | 1.9         | 1.0                                              | <b> </b>                                         |               |         |          |                                                  | ļ                                                | <del> </del>                                     |               |              |                |               | 44               | 44            | 63          |        |
| 34/ 33           | • 2 | 1.0   | 1.3   | 2.0         |                                                  |                                                  | 1             |         |          |                                                  |                                                  |                                                  |               |              |                |               | 49               | 49            | 78          |        |
| 32/ 31           |     | .9    | 2.3   | 1.3         |                                                  |                                                  |               |         |          |                                                  |                                                  | <del> </del>                                     |               |              |                |               | 42               | 42            | 61          | 3      |
| 30/ 29           | .6  | 3.8   | 3.2   |             |                                                  | , .                                              |               |         |          |                                                  |                                                  |                                                  |               |              |                | 1             | 83               | 83            | 74          | i      |
| 28/ 27           | 1.2 | 2.8   |       | • 2         | ļ                                                |                                                  |               |         |          | ļi                                               | <b> </b>                                         | <del> </del>                                     |               |              |                |               | 66               | 66            | 96          |        |
| 26/ 25           | .8  | 2.0   | 2.1   |             | '                                                |                                                  |               |         |          |                                                  |                                                  |                                                  |               |              |                |               | 35               | 35            | 73          | (      |
| 24/ 23           | .4  | 2.4   | 1.0   |             |                                                  |                                                  |               |         |          |                                                  |                                                  | <del> </del>                                     |               | ļ            |                |               | 24               | 24            | 57<br>44    |        |
| 22/ 21           |     | 2.1   | • 1   |             | ]                                                |                                                  |               |         |          |                                                  |                                                  |                                                  |               |              |                |               | 34               | 34            |             | •      |
| 20/ 19           | .7  | 2.9   |       |             | <del> </del>                                     | <del> </del>                                     |               |         |          |                                                  |                                                  | <del>                                     </del> |               |              | <b></b>        | <del></del> - | 18               | 18            | 40<br>28    |        |
| 18/ 17<br>16/ 15 | . 7 |       | . 3   |             |                                                  |                                                  | ŀ             |         |          | !                                                |                                                  |                                                  |               |              | Ì              |               | 16               | 16            | 17          | į      |
| 14/ 13           | :7  | . 8   | • 5   |             |                                                  |                                                  |               |         |          |                                                  | <del></del>                                      | ┼                                                |               |              |                |               | 14               | 14            | 8           |        |
| 12/ 11           | 8   | 1.0   |       |             | -                                                |                                                  | - 1           |         |          | 1                                                |                                                  |                                                  |               |              |                |               | 16               | 16            | 21          | ``     |
| 10/ 9            | 1.0 | .9    | • 1   |             | <del> </del>                                     |                                                  |               |         |          | <del> </del>                                     |                                                  | +                                                |               |              |                |               | 18               | 18            | 16          |        |
| 8/ 7             |     | 1.0   | • •   |             | Ι.                                               |                                                  | İ             |         |          |                                                  |                                                  |                                                  |               |              |                |               | 10               | 10            | 9           | à      |
| 6/ 5             | :1  | .6    | • 1   |             | <del></del>                                      | <del> </del>                                     | <del></del>   |         |          |                                                  |                                                  | <del> </del>                                     |               | <del> </del> |                | <del></del>   | + * <del>*</del> | -7            | 11          |        |
| 4/ 3             |     | 1.0   | * *   |             |                                                  |                                                  |               |         |          |                                                  |                                                  |                                                  |               |              |                |               | 15               | 15            | 10          |        |
| 2/ 1             |     | 1.0   |       |             |                                                  |                                                  |               |         |          |                                                  | <b></b> -                                        | 1                                                |               |              | <del>  -</del> |               | 19               | 19            | 25          |        |
| 0/ -1            | 1.2 | . 2   |       |             |                                                  |                                                  |               |         |          |                                                  |                                                  |                                                  |               |              |                |               | 13               | 13            | 14          | 1      |
| -2/ -3           | . 2 | .7    |       |             | <del>                                     </del> |                                                  | <del></del> - |         |          | <del>                                     </del> | $\vdash$                                         | 1                                                |               |              |                |               | 8                | 8             | 8           |        |
| -4/ -5           | •   | • 1   |       |             |                                                  |                                                  | Ì             |         |          |                                                  |                                                  |                                                  | ĺ             |              |                |               |                  |               | ž           |        |
| -6/ -7           | . 1 |       | -     |             | <del> </del>                                     | <del>                                     </del> |               |         |          | <del> </del>                                     | <del>                                     </del> | †                                                |               |              | <del></del>    |               | 1                | 1             | ī           | 1      |
| -8/ -9           | . 4 |       |       |             |                                                  |                                                  |               |         |          |                                                  |                                                  | 1                                                |               |              |                |               | 4                | 4             | â           | 7      |
| lement (X)       |     | x²    |       |             | Σχ                                               | <del>'      </del>                               | X             |         |          | No. Ob                                           | 5.                                               | <u> </u>                                         | <u> </u>      | <u></u>      | Mean No        | , of Hours w  | th Temperat      |               |             |        |
| Gel. Hum.        |     |       |       |             |                                                  |                                                  |               |         |          |                                                  |                                                  | ± 0                                              | F             | 1 32 F       | ≥ 67 F         |               | > 80 F           | ≥ 93 F        | 1           | otal   |
| Dry Bulb         |     |       |       |             |                                                  |                                                  |               |         | $\neg +$ |                                                  |                                                  | ·                                                | $\neg \vdash$ |              |                | 1             | 1                | 1             |             |        |
| w . 5 ii         |     |       |       | <del></del> |                                                  | <del>-   , -</del>                               |               |         |          |                                                  |                                                  | <del></del>                                      |               |              |                |               | <del> </del>     |               | <del></del> |        |

M 0-26-5 (OL A) REVISED MEYIOUS EDITIONS OF THIS FORM A

AFFTAC FORM

Wet Bulb Dew Point

## PSYCHROMETRIC SUMMARY

| STATION                  | MA   | LMST     | ROM            | AFB<br>s | MT/G  | REAT                                             | FAL          | LS      |          | <u>68-</u> | 77          |           |               | YE            | ARS               |               |      | <del></del>         | <del></del> - | N(       | JV<br>HTH        |
|--------------------------|------|----------|----------------|----------|-------|--------------------------------------------------|--------------|---------|----------|------------|-------------|-----------|---------------|---------------|-------------------|---------------|------|---------------------|---------------|----------|------------------|
|                          |      |          |                |          |       |                                                  |              |         |          |            |             |           |               |               |                   |               |      | PAGE                | 2             | 0600-    | -080<br>L. s. t. |
| Temp.                    |      |          |                |          |       |                                                  | BULB .       |         |          |            |             |           |               |               |                   |               |      | TOTAL               | _             | TOTAL    |                  |
| (F)                      | 0    | 1 - 2    | 3 - 4          | 5 - 6    | 7 - 8 | 9 - 10                                           | 11 - 12      | 13 - 14 | 15 - 16  | 17 - 18    | 19 - 20     | 21 - 22 2 | 23 - 24       | 25 - 26       | 27 - 28 2         | 9 - 30        | ≥ 31 | D.B./W.B.           | Dry Bulb      | Wet Bulb | Dew P            |
| 10/-11                   | • 6  |          |                |          |       |                                                  |              |         |          |            |             |           | -             |               |                   |               |      | 5                   | 5             | 5        |                  |
| 12/-13                   | . 1  |          |                |          | 7     |                                                  |              |         |          |            |             |           |               |               |                   |               |      | 1                   | 1             | 1        |                  |
| 16/-19                   |      |          |                | <u> </u> |       |                                                  |              |         |          |            |             |           |               | <del>  </del> |                   |               |      |                     |               |          | <del></del>      |
| TAL                      | 13.0 | 29.7     | 18.4           | 15.3     | 9.8   | 7.7                                              | 2.8          | 2.1     | .9       | .3         |             |           |               |               |                   | 1             |      |                     | 900           |          | 90               |
|                          |      |          |                |          |       |                                                  |              |         |          |            |             |           |               |               |                   |               |      | 900                 |               | 900      |                  |
|                          |      |          |                |          |       |                                                  |              |         |          |            |             |           |               |               |                   |               |      |                     |               |          | <del></del>      |
|                          |      |          | <del> </del> - |          |       | <del> </del> -                                   |              |         |          |            |             |           |               | -             |                   |               |      |                     |               |          | <del></del>      |
|                          |      | ļ<br>    |                |          |       |                                                  |              |         |          |            |             |           |               | -             |                   |               |      |                     |               |          |                  |
|                          |      |          |                |          |       |                                                  |              |         |          |            |             |           |               | 1.            |                   |               | _    |                     |               |          | ļ<br>            |
|                          |      |          | ļ              |          |       | ·                                                |              | İ       |          |            |             |           |               |               |                   |               |      |                     |               |          |                  |
|                          |      |          |                |          |       |                                                  |              |         |          |            |             |           |               |               |                   |               | ,    |                     |               |          |                  |
|                          |      |          |                |          |       |                                                  |              | '<br>   |          |            |             |           |               |               |                   |               |      |                     |               |          |                  |
|                          |      |          | <u> </u>       | ļ        |       |                                                  |              | ļ       | ļ        |            |             |           |               |               |                   |               |      |                     |               |          | <u> </u>         |
|                          |      |          | <b> </b>       |          | ļ     | ·                                                |              | ļ       |          |            |             |           |               |               |                   |               |      |                     |               |          | ļ                |
|                          |      |          |                |          |       |                                                  |              |         |          |            |             |           |               |               |                   |               |      |                     |               |          |                  |
|                          |      |          |                |          |       | ·                                                |              |         |          |            |             |           |               |               |                   |               |      |                     |               |          |                  |
|                          |      |          |                |          |       | ·                                                |              |         |          |            |             |           |               |               |                   |               | -    |                     |               |          |                  |
|                          |      |          |                |          |       | <del>                                     </del> |              |         |          | ,-         |             |           |               |               | <del></del>       |               |      |                     |               |          |                  |
|                          |      |          |                | <u> </u> |       |                                                  | <u> </u>     |         |          |            |             |           |               |               |                   |               |      |                     |               |          | <del> </del>     |
|                          |      | <u> </u> |                | ļ        |       | <u> </u>                                         | <u> </u>     |         |          |            |             |           |               |               |                   |               |      |                     | <u>-</u>      |          | -                |
| EL (W)                   |      | Ex2      |                |          | ZX    | <u> </u>                                         | <u> </u>     |         | <u> </u> | No. Ol     |             |           |               |               | N N-              | -/ 1          |      | 7                   |               |          |                  |
| Element (X)<br>Rel. Hum. |      |          | 3626           |          |       | 36                                               | <u>X</u>     | 19 6    |          |            | <del></del> | ± 0 F     | $\overline{}$ | ± 32 F        | Mean Ne<br>≥ 67 F |               |      | Temperatu<br>≥ 80 F | ≥ 93 I        | e   1    | Total            |
| Dry Bulb                 |      | 707      | 4705           | <b>]</b> | 268   | 37                                               | 64.4<br>29.8 | 13.0    | 30       |            | 00<br>00    | 3.        |               | 49.3          | - 0/ [            | <del>- </del> | • •  | - 80 7              | - 73          | <u>'</u> | 10101            |
| Wet Bulb                 |      |          | 8070           |          | 231   | 16                                               | 25.7         | 11.2    | 78       |            | 00          | 3.        | 2             | 62.5          |                   |               |      |                     | <del> </del>  |          |                  |
| Dew Poi                  |      |          | 3405           |          | 161   | - <del> </del>                                   | 17.9         | 1000    |          |            | 00          | 8,        | 4             | 85,7          |                   |               |      |                     | <del> </del>  |          |                  |

26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS FORM ARE OISOITTE

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AC FORM 0.26-5 (0

### **PSYCHROMETRIC SUMMARY**

| 112<br>STATION | 0.00       | <u> </u> | <u>, , , , , , , , , , , , , , , , , , , </u> | 57        | ATION NA | ME     | FAL     |          |          | 68-      | <u> </u> |         |         | YE       | ARS        |             |           |          | NE               |        |
|----------------|------------|----------|-----------------------------------------------|-----------|----------|--------|---------|----------|----------|----------|----------|---------|---------|----------|------------|-------------|-----------|----------|------------------|--------|
|                |            |          |                                               |           |          |        |         |          |          |          |          |         |         |          |            |             | PAG       | E 1      | 0900-            |        |
| Temp           |            |          |                                               |           |          | WET    | BULB 1  | EMPER    | ATURE    | DEPRE    | SSION (  | F)      |         |          |            |             | TOTAL     | <u> </u> | TOTAL            |        |
| (F)            | 0          | 1 - 2    | 3 · 4                                         | 5 . 6     | 7 - 8    | 9 - 10 | 11 - 12 | 13 - 14  | 15 - 16  | 17 - 18  | 19 - 20  | 21 - 22 | 23 - 24 | 25 - 26  | 27 - 28 29 | 30 ≥ 31     | D.B./W.B. | Dry Bulb | Wet Bulb         | Dew Po |
| 0/ 69<br>8/ 67 |            |          | ĺ                                             |           |          |        |         |          |          |          |          |         | .1      |          |            |             | 1         | 1 1      |                  |        |
| 6/ 65          |            |          |                                               |           |          | •      |         | -        |          | .1       | • 2      |         |         |          |            |             | 2         | 2        |                  |        |
| 2/ 61          |            |          |                                               |           |          | , .    | 2       | •1       | .2       | .7       | .3       |         |         |          |            |             | 12        | 12<br>10 |                  |        |
| 3/ 57<br>3/ 57 |            |          |                                               |           |          |        | • 3     | •3       | .3       | .3<br>.2 | • 1      |         | _       |          |            |             | 12        | 12       |                  |        |
| / 55           |            |          |                                               |           | • 1      | • 6    | 1.1     | .9       | .3       | ,1       |          |         |         |          |            |             | 24        | 24<br>28 |                  |        |
| 2/ 51          |            |          |                                               | <u>.1</u> | 1.0      | 1.8    | 1.9     | 1.1      | •3<br>•2 |          |          |         |         |          |            |             | 37<br>46  | 37<br>46 |                  |        |
| / 47           |            |          |                                               | .9        | . 4      | 1.6    | 1.2     | .9       |          |          |          |         |         |          |            |             | 45        | 45       | 7<br>19          |        |
| / 45           |            | • 1      | • 2                                           | •6<br>1•4 | 1.7      | 1.8    | 1.3     | • 1      |          |          |          |         |         |          |            |             | 58        | 58       | 37               |        |
| / 41           |            | • 1      | • 9                                           | 1.7       | 1.2      | 1.3    | .3      |          |          |          |          |         |         |          |            |             | 50<br>47  | 50<br>47 | 63<br>50         |        |
| / 37           | 1          | 1.0      | .8<br>2.1                                     | 1.3       | 1.9      | •6     |         |          |          |          |          |         |         |          |            |             | 64        | 64       | 88<br>63         |        |
| / 33           | .2         | 1.8      | 1.8                                           | 1.6       | .4       |        |         |          |          |          |          |         |         |          |            |             | 52        | 52       | 80               |        |
| 2/ 31          | • 3<br>• 8 | 1.9      | 1.8                                           | 1.7       | ,2<br>,1 |        |         |          |          |          |          | i       |         |          |            |             | 43        | 43       | 102<br>80        |        |
| 3/ 27<br>5/ 25 | 1.0        | 1.6      | 1.0                                           | • 2       |          |        |         |          |          |          |          |         |         | <u> </u> |            |             | 18        | 33<br>18 | 7 <u>2</u><br>38 | 1      |
| / 23           | .3         | 1.0      | •4                                            | •2        |          |        |         |          |          |          |          |         |         |          |            |             | 18        | 18       | 23<br>23         |        |
| 0/ 19          | .2         | 1.6      | • 1                                           |           |          |        |         |          |          |          |          |         |         |          |            |             | 17        | 17       | 13               |        |
| 3/ 17<br>5/ 15 | • 4        | 1.6      | • 3                                           |           |          |        |         |          |          |          |          |         |         |          |            |             | 23<br>15  | 15       | 30<br>17         |        |
| / 13           | . 6        | .3       | . 1                                           |           |          |        |         |          |          |          |          |         |         |          |            |             | 8         | 8        | 11               |        |
| 0/ 3           | .2         | .8       | • 1                                           |           |          | ,      |         |          |          |          |          |         |         |          |            |             | 9 7       |          | 6<br>10          |        |
| 6/ 5           | .3         | 1.2      | **                                            |           |          |        |         |          |          |          |          |         |         |          |            |             | 14        | 14       | 15               |        |
| ement (X)      |            | ZX2      | 4                                             |           | Σx       |        | X       | <b>₩</b> |          | No. Ob   | . T      |         |         | L        | Mean No.   | of Hours wi |           |          |                  |        |
| l. Hum.        |            |          |                                               |           |          |        |         |          |          |          |          | 1 0 F   |         | s 32 F   | ≥ 67 F     | `≥ 73 F     | ≥ 80 F    | = 93 I   |                  | Total  |

ORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OIL

AFETAC FORM

Dew Point

| Wet Bulb Dew Point |     |          | 1235          |                                                  | 266                                              | 98<br>963                                        | 29.7                                             | 11.0                                             | 60                                               |         | 00      | 26                                               | 2       | 4.9,3<br>83,6 |                |            |           |        |          |           |       |
|--------------------|-----|----------|---------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------|---------|--------------------------------------------------|---------|---------------|----------------|------------|-----------|--------|----------|-----------|-------|
| Dry Bulb           |     |          | 8891          |                                                  | 321                                              |                                                  |                                                  | 14.6                                             |                                                  |         | 00      |                                                  | 6       | 31,7          | •              | 2          |           |        |          |           |       |
| Rel. Hum.          |     | 332      | 222           | 7                                                | 513                                              | 37.5                                             | 57.1                                             | 20.8                                             | 17                                               |         | 00      | ± 0 F                                            |         | ≤ 32 F        | ≥ 67 F         |            | F         | 80 F   | ≥ 93 1   |           | Total |
| Element (X)        |     | Z X2     | *             |                                                  | Σχ                                               |                                                  | X                                                | <b>₹</b>                                         |                                                  | No. Ob  | 5.      |                                                  |         |               | Mean No        | of Hour    | s with Te | mperot | ure      |           |       |
| ļ                  |     |          |               |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     |          |               | ┼                                                | -                                                | <del> </del>                                     | <del>                                     </del> |                                                  |                                                  |         |         | ├ ┼                                              |         | +             |                |            |           |        |          |           | _     |
|                    |     |          |               |                                                  |                                                  | ļ                                                |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           | $\neg$ |          |           |       |
|                    |     |          |               |                                                  |                                                  | <u>'</u>                                         |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     | <b>-</b> | <del> </del>  | 1-                                               | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> |         |         |                                                  |         |               |                | _          | _         |        |          |           | -     |
|                    |     | İ        |               |                                                  |                                                  | ĺ                                                |                                                  |                                                  | 1                                                |         |         |                                                  |         |               | 1              |            |           |        |          |           |       |
|                    |     | ļ        | ļ             | ļ                                                | ļ                                                | ļ <u> </u>                                       | <u> </u>                                         | <u> </u>                                         |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     |          |               |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     |          |               |                                                  |                                                  | <u></u>                                          |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            | _         |        |          |           |       |
|                    |     |          |               | i                                                | <del>                                     </del> | <del>                                     </del> | <u> </u>                                         | <del>                                     </del> |                                                  |         |         |                                                  |         | -             |                | _          | _         |        |          |           |       |
|                    |     |          | 1             |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               | -              |            | - {       | 1      |          |           |       |
|                    |     |          |               |                                                  | -                                                | <del> </del>                                     |                                                  | <del> </del>                                     |                                                  |         |         | <del>                                     </del> |         | <del>  </del> |                |            |           |        |          |           |       |
|                    |     |          | 1             |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     | İ        |               | ļ                                                | <u> </u>                                         |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            | _         |        |          |           |       |
|                    |     |          |               |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     |          |               | <u>_</u>                                         | <u> </u>                                         | L !                                              |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
|                    |     |          | <del></del> - | <del>                                     </del> | <u> </u>                                         | <del>                                     </del> |                                                  |                                                  |                                                  |         |         | -                                                |         | 1             |                |            |           |        |          |           |       |
|                    | ;   |          | !<br>         | 1                                                |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                | İ          | "         | 900    |          | 700       |       |
| DTAL               | 9.9 | 20.0     | 13.3          | 13.7                                             | 13.1                                             | 11.9                                             | 9.1                                              | 4.4                                              | 2.2                                              | 1.4     | •7      | <del>  </del>                                    | • 2     | -             |                | _          |           | 200    | 900      | 900       | 5     |
| 20/-21             |     |          |               |                                                  |                                                  |                                                  |                                                  | ļ , , ,                                          |                                                  |         |         |                                                  | _       |               |                |            |           |        | 0.84     |           | -     |
| 18/-19             |     |          |               |                                                  | <u></u>                                          |                                                  | L                                                |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |
| 14/-15             |     |          |               |                                                  | <b> </b>                                         | · ·                                              | <b></b>                                          |                                                  |                                                  |         |         |                                                  |         |               |                |            | _         |        |          |           |       |
| 12/-13             |     |          |               |                                                  | 1                                                |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         | }             | }              |            | 1         | }      |          |           |       |
| -8/ -9             |     |          |               |                                                  | -                                                | <del> </del>                                     | ļ                                                |                                                  |                                                  |         |         |                                                  |         | ├             | <del> </del> - |            |           |        |          |           | ·     |
| -6/ -7             | • 2 |          | !<br>!        |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           | 2      | 2        | 2         |       |
| -4/ -5             | . 3 |          |               |                                                  | <u> </u>                                         |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           | 3      | 3        | 4         |       |
| -2/ -3             | • 1 | .1       |               | <u> </u>                                         | $\vdash$                                         |                                                  |                                                  |                                                  | <u> </u>                                         |         |         |                                                  |         |               | ——             | -+         |           | 2      | Ž        | 1         |       |
| 2/ 1               | 1.0 |          |               |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               | 1              |            | - 1       | 9      | 9        | 15        |       |
| (F)                | 0   | 1.3      | 3 - 4         | 5 - 6                                            | 7 - 8                                            | 9 - 10                                           | 11 - 12                                          | 13 - 14                                          | 15 - 16                                          | 17 - 18 | 19 - 20 | 21 - 22 2                                        | 23 - 24 | 25 - 26       | 27 - 28 2      | 9 - 30   1 | 31 D.B.   | 15     | Dry Bulb | Wer Bulb  | Dew   |
| Temp.              |     |          |               | ,                                                |                                                  |                                                  |                                                  | TEMPER                                           |                                                  |         |         |                                                  |         |               |                |            |           | TAL    |          | TOTAL     |       |
|                    |     |          |               |                                                  |                                                  | •                                                |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          | HOURS II  |       |
| •                  |     |          |               |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            | f         | PAGE   | 2        | 0900-     | -11   |
| 4112<br>STATION    | MA  | LMS I    | KUM           | AFB                                              | TATION N                                         | KEA I                                            | PAL                                              | LS                                               |                                                  | 68-     | 77      |                                                  |         | YE            | ARS            |            | <u> </u>  |        |          | NO<br>NOM | ATH.  |
| 4117               |     |          |               |                                                  |                                                  |                                                  |                                                  |                                                  |                                                  |         |         |                                                  |         |               |                |            |           |        |          |           |       |

## PSYCHROMETRIC SUMMARY

| 4112<br>STATION | MA  | LMST        | ROM   |             | MT/G     |              | FAL            | LS                                               |             | 68-                                              | 77                                               |         |         | YE           | ARS               |           |              |          | N(       |        |
|-----------------|-----|-------------|-------|-------------|----------|--------------|----------------|--------------------------------------------------|-------------|--------------------------------------------------|--------------------------------------------------|---------|---------|--------------|-------------------|-----------|--------------|----------|----------|--------|
|                 |     |             |       |             |          |              |                |                                                  |             |                                                  |                                                  |         |         |              |                   |           | PAGE         | 1        | 1200-    |        |
| Temp            |     |             |       |             |          |              |                |                                                  |             |                                                  | SSION (                                          |         |         |              |                   |           | TOTAL        |          | TOTAL    |        |
| (F)             | 0   | 1 - 2       | 3 - 4 | 5 - 6       | 7 - 8    | 9 - 10       | 11 - 12        | 13 - 14                                          | 15 - 16     | 17 - 18                                          | 19 - 20                                          | 21 - 22 | 23 - 24 | 25 - 26      | 27 - 28 29        | - 30 ≥ 31 | D.8./W.B.    | Dry Bulb | Wet Bulb | Dew Po |
| 74/ 73          |     |             | . 1   |             |          |              |                |                                                  |             | 1                                                |                                                  |         | •       | •1           | <b>}</b>          |           | 1            | 1        |          |        |
| 72/ 71          |     |             |       |             |          |              |                |                                                  |             |                                                  | <u></u>                                          | •1      | •1      | •2           |                   |           | 4            | 4        |          |        |
| 70/ 69          |     |             |       |             |          |              |                |                                                  |             | ļ                                                | •1                                               | • 1     | _       |              |                   |           | 2            | 2        |          |        |
| 68/ 67          |     |             |       |             |          |              |                | <b> </b> -                                       |             | <u> </u>                                         | <u> </u>                                         |         | •2      |              |                   |           | 2            | 2        |          |        |
| 66/ 65          |     |             |       |             |          | ]            | į              | ر ا                                              | ١,          | 1 .                                              | • 4                                              | • 8     |         |              |                   |           | 11           | 11<br>17 |          |        |
| 64/ 63          |     |             |       |             | -        | <b> </b> -   |                | .2                                               |             | . 9                                              | .3                                               | .3      |         |              |                   |           |              | 19       |          |        |
| 62/61           |     |             |       |             |          | 1            | • 1            | .6<br>.8                                         |             |                                                  | .3                                               |         |         | }            |                   |           | 19           | 19       |          |        |
| 58/ 57          |     |             |       |             |          | • 1          | .1             |                                                  | 1.2         | . 4                                              |                                                  |         |         | ļ            |                   |           | 31           | 31       |          |        |
| 56/ 55          |     |             |       |             |          | .8           |                |                                                  | 8.          |                                                  |                                                  |         |         |              |                   |           | 46           | 46       |          |        |
| 54/ 53          |     |             |       |             |          | 1.1          | 1.2            | 1.1                                              | 8.          |                                                  | • •                                              |         |         | <del> </del> |                   |           | 38           | 38       |          |        |
| 52/ 51          |     |             | . 2   |             | .6       | , -          | 2.7            |                                                  |             | . 2                                              | 1                                                |         |         |              | ·                 |           | 50           | . 50     | 2        |        |
| 50/ 49          |     |             | • 1   | .1          | •7       |              | 2.7            |                                                  | .4          |                                                  | <del> </del>                                     |         |         |              | -                 |           | 58           | 58       | 5        |        |
| 48/ 47          |     |             | •     | .4          | .6       |              |                |                                                  |             | ' [                                              |                                                  |         |         | l l          | 1                 |           | 48           | 48       | 18       |        |
| 46/ 45          |     |             |       | •9          |          |              | 2.0            | <del>,</del>                                     |             | <del>                                     </del> | <del>                                     </del> |         |         |              | <del></del>       |           | 74           | 74       | 50       |        |
| 44/ 43          |     |             | . 1   | .7          | 1.0      |              |                |                                                  | l           |                                                  | 1                                                |         |         |              | , ,               |           | 56           | 56       | 50       |        |
| 42/ 41          |     |             | • 2   | .7          |          | ,            |                |                                                  | T           | 1                                                |                                                  |         |         |              |                   |           | 37           | 37       | 81       |        |
| 40/ 39          |     | i i         | • 6   | .3          | .8       |              | I.             |                                                  |             |                                                  | 1                                                |         |         |              |                   |           | 31           | 31       | 67       |        |
| 38/ 37          |     | .9          | .9    |             |          |              | 7              | i                                                | 1           | 1                                                | 1                                                |         |         |              |                   |           | 51           | 51       | 78       |        |
| 36/ 35          |     | 1.2         | 1.7   |             | . 6      |              | 1              |                                                  |             |                                                  |                                                  |         |         | ļ i          |                   |           | 52           | 52       | 87       |        |
| 34/ 33          | • 1 | 1.9         | 1.1   | 1.C         | .8       |              |                |                                                  |             |                                                  |                                                  |         |         |              |                   |           | 44           | 44       | 96       |        |
| 32/ 31          | .1  | 1.4         | .7    | 1.0         | ,1       |              | 1              |                                                  |             | 1                                                | <u> </u>                                         |         |         |              |                   | _ i .     | 30           | 30       | 84       | ĺ      |
| 30/ 29          | . 2 | 1.6         | • 4   | .4          |          | ,            |                |                                                  |             |                                                  |                                                  |         |         |              |                   |           | 24           | 24       | 69       |        |
| 28/ 27          | 1.0 |             | 1.0   | • 2         |          |              | ļ              |                                                  |             | <u> </u>                                         | <u> </u>                                         |         |         |              |                   |           | 26           | 26       | 47       | - (    |
| 26/ 25          | • 1 |             |       |             |          |              | ł              | 1                                                |             | 1                                                |                                                  | 1 1     |         | ļ i          |                   |           | 11           | 11       | 25       | 10     |
| 24/ 23          | 3   |             | .4    |             |          | ļ            | <u> </u>       |                                                  |             | ļ                                                |                                                  |         |         |              |                   |           | 8            | 8        | 23       | •      |
| 22/ 21          | • 1 |             | • 1   |             |          |              | <br>           |                                                  |             |                                                  | 1                                                |         |         |              |                   |           | 11           | 11       | 11       | ]      |
| 20/ 19          |     | 1.3         | • 1   |             |          | <u> </u>     |                | <u> </u>                                         |             | <u> </u>                                         | ļ                                                |         |         |              | $\vdash$ $\vdash$ |           | 13           | 13       | 12       |        |
| 18/ 17          | • 3 |             |       |             | ĺ        |              |                | l                                                |             | 1                                                |                                                  |         |         |              |                   |           | 8            |          | 14       | •      |
| 16/ 15          |     | . 9         | • 3   |             | <u> </u> | <u> </u>     | <del> </del> - |                                                  |             | ┼                                                | <del> </del>                                     |         |         | ļ            | <del>  -</del>    |           | 11           | 11       | 6        |        |
| 14/ 13          | . 3 | • 1         | • 1   |             |          | ۱ ۰          |                |                                                  |             |                                                  |                                                  |         |         |              |                   |           | 5            | 5        | 10       |        |
| 12/ 11          |     |             |       |             |          | <del> </del> |                | <del> </del>                                     | <b></b>     |                                                  | <del></del>                                      |         |         | <del> </del> | <b> </b>          |           | 7            | 7        | 5        | 3      |
| 10/ 2           | ,   | . 8         |       | }           |          |              |                | 1                                                |             | İ                                                | 1                                                |         |         |              |                   | į         | 7            | 7        | , 6      |        |
| 8/ 7            |     | Z x 2       |       |             | ZX       | <del></del>  | <del></del>    | -                                                | <del></del> | No. O                                            | <u> </u>                                         |         |         | L            | Mag: N:           | at Harris | 1 0          | •        | 10       | 1      |
| Rel. Hum.       |     | ~ X.        |       | <del></del> | ~ X      |              | X              | - °x                                             |             | NO. U                                            | **-                                              | 101     |         | . 22 5       |                   |           | th Temperat  |          |          | Total  |
| Dry Bulb        |     | <del></del> |       |             |          |              |                | <del>                                     </del> |             |                                                  |                                                  | 201     |         | 32 F         | ≥ 67 F            | ≥ 73 F    | > 80 F       | * 93 1   |          | 0101   |
| Wet Bulb        |     |             |       |             |          |              |                | <del> </del>                                     |             |                                                  | <del></del>                                      | -       |         |              | <del></del>       | +         | <del> </del> |          |          |        |
| 0010            |     |             |       | L           |          |              |                | L                                                | l           |                                                  |                                                  |         | L_      |              |                   |           |              | 1        | :        |        |

AC FORM 0.26-5 (OLA) FENSE PE

USAFETAC FORM

## **PSYCHROMETRIC SUMMARY**

NOV MALMSTROM AFB MT/GREAT FALLS 1200-1400 HOURS (L. S. T.) PAGE 2

|               |     |          |              |                                                  |                                                  |                                                  | D44 6 5                                          |                                                  |                                                   | 05000                                            | CCION (                                          | <u></u>   |                                                  |                                                  |             |        |                                                  | T-0-11                                           |                                                  |             | L. 3. 1./                                        |
|---------------|-----|----------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------|--------------------------------------------------|--------------------------------------------------|-------------|--------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------|--------------------------------------------------|
| Temp.<br>(F)  |     |          | -            | -                                                | 7 .                                              |                                                  |                                                  |                                                  |                                                   |                                                  | SSION (                                          |           | 22 21                                            | 25 24                                            | 27 - 28 2   | 0 20   |                                                  | TOTAL<br>D.B./W.B.                               | Dev. B. 11                                       | TOTAL       | Dew Point                                        |
| L             | 0   | 1 . 2    | 3 - 4        | 5 - 6                                            | 7 - 8                                            | 9 . 10                                           | 11 - 12                                          | 13 - 14                                          | 15 - 16                                           | 17 - 18                                          | 19 - 20                                          | 21 + 22   | 23 - 24                                          | 25 - 26                                          | 27 - 28 2   | y - 30 | × 31                                             | 9                                                | 9                                                | 9           | 15                                               |
| 6/ 5          | . 4 | 1.0      |              |                                                  |                                                  |                                                  |                                                  |                                                  |                                                   |                                                  |                                                  |           |                                                  |                                                  | ł           |        |                                                  | 16                                               | 16                                               | 12          | 11                                               |
| 2/ 1          | • • | 1.3      | <del> </del> |                                                  | <del> </del>                                     | <del> </del>                                     |                                                  |                                                  |                                                   |                                                  |                                                  |           |                                                  |                                                  |             |        |                                                  | 10                                               | 10                                               | 17          | 8                                                |
| 0/ -1         | . 2 |          | {            |                                                  | ĺ                                                | · ·                                              | 1                                                |                                                  |                                                   | 1                                                |                                                  |           |                                                  |                                                  | 1           |        |                                                  | 2                                                | 2                                                | 3           |                                                  |
| -2/ -3        | • 4 | . 3      | <b></b> -    | ļ                                                | <del> </del>                                     | <del> </del>                                     |                                                  |                                                  |                                                   | <del></del>                                      |                                                  |           |                                                  | <del>  </del>                                    |             |        | <u> </u>                                         | 3                                                | 3                                                |             | 5                                                |
| -4/ -5        | 1   | • 3      | 1            |                                                  | 1                                                | }                                                | }                                                |                                                  | }                                                 |                                                  |                                                  |           |                                                  |                                                  | - 1         |        |                                                  | 3                                                |                                                  | 3           |                                                  |
| -6/ -7        |     |          | <del> </del> |                                                  | <del> </del> -                                   | <del>}</del>                                     |                                                  |                                                  | <del> </del>                                      |                                                  | <b></b>                                          |           |                                                  |                                                  |             |        |                                                  | <del> </del>                                     | <del></del>                                      |             | 10                                               |
| -8/ -9        |     |          |              |                                                  |                                                  | '                                                |                                                  |                                                  |                                                   |                                                  |                                                  |           |                                                  |                                                  | - 1         |        |                                                  |                                                  |                                                  |             | 10                                               |
| -10/-11       |     |          | <del> </del> |                                                  | <b> </b>                                         |                                                  |                                                  |                                                  |                                                   |                                                  | <b></b>                                          |           |                                                  |                                                  |             |        |                                                  | <del> </del>                                     |                                                  |             | 2                                                |
| 12/-13        |     |          | •            |                                                  | 1                                                | ŀ                                                |                                                  |                                                  |                                                   |                                                  | ł                                                |           |                                                  | 1                                                |             |        |                                                  |                                                  |                                                  |             | 2                                                |
| -14/-15       |     |          |              |                                                  | <del> </del>                                     | <del> </del> -                                   |                                                  |                                                  | <del> </del>                                      |                                                  |                                                  |           |                                                  |                                                  |             |        |                                                  | <del> </del>                                     |                                                  |             | 1                                                |
| TOTAL         | 2 0 | 19.1     | 8.4          | 2.0                                              | 0.1                                              | 16.4                                             | 16.1                                             | ه ه                                              | 8.1                                               | 24                                               | 1 4                                              | 1.2       | .3                                               | .3                                               | 1           |        |                                                  |                                                  | 900                                              |             | 900                                              |
| PUTAL         | 3.7 | 1041     | 0.7          | 0.7                                              | 703                                              | 1000                                             | 7-4-7                                            | 707                                              | 202                                               | 207                                              | 1.07                                             | 100       | • • •                                            | • 5                                              |             |        |                                                  | 900                                              | 700                                              | 900         | 700                                              |
|               |     |          |              |                                                  | 1                                                | 1                                                | 1                                                |                                                  |                                                   |                                                  | İ                                                |           |                                                  |                                                  | 1           | į      |                                                  | 700                                              |                                                  | 700         |                                                  |
| l             |     |          |              |                                                  | <del> </del>                                     |                                                  | <b> </b> -                                       |                                                  | <del>                                     </del>  |                                                  | <del> </del>                                     |           |                                                  |                                                  | <del></del> |        |                                                  | <del> </del>                                     |                                                  |             | <del> </del>                                     |
| 1             |     |          | <u> </u>     |                                                  | }                                                | 1                                                | i<br>i                                           |                                                  | •                                                 | ļ                                                | <b>i</b>                                         |           |                                                  | 1                                                | 1           |        |                                                  | <u> </u>                                         | 1                                                |             | <b>,</b>                                         |
|               |     |          | <del> </del> |                                                  | <del> </del>                                     | <del> </del>                                     |                                                  |                                                  | <del> </del>                                      |                                                  | l                                                |           |                                                  |                                                  |             |        |                                                  | <del> </del>                                     | <del>                                     </del> |             |                                                  |
| 1 1           |     |          | 1            | ĺ                                                | 1                                                | 1                                                | 1                                                | }                                                | 1                                                 | Ì                                                | 1                                                |           | ì                                                | 1 1                                              | j           |        |                                                  |                                                  |                                                  |             | 1                                                |
| I             |     |          | <del> </del> | <del></del>                                      |                                                  | <del> </del>                                     | <del> </del>                                     |                                                  |                                                   | <del></del>                                      | <del> </del>                                     |           | ļ                                                | <del>                                     </del> |             |        | -                                                | <del> </del>                                     |                                                  |             |                                                  |
|               |     |          | ł            |                                                  | ĺ                                                | •                                                |                                                  |                                                  |                                                   | •                                                | l                                                |           |                                                  |                                                  | ŀ           |        |                                                  | l                                                |                                                  |             |                                                  |
| <b> </b>      |     |          | <del> </del> |                                                  | <del>                                     </del> |                                                  |                                                  |                                                  | <del> </del>                                      |                                                  | <del></del>                                      |           |                                                  |                                                  |             |        |                                                  | <del> </del>                                     | <del></del>                                      |             | <del></del>                                      |
| [             |     |          |              |                                                  | ]                                                | ļ                                                | l                                                | ĺ                                                | ]                                                 |                                                  | 1                                                |           | ļ                                                | l i                                              | 1           | :      |                                                  | }                                                |                                                  |             |                                                  |
| \ <del></del> |     |          | <del> </del> |                                                  |                                                  |                                                  | <del> </del>                                     |                                                  | <del> </del>                                      | <del> </del>                                     | <del> </del>                                     |           | <del> </del>                                     | <del>                                     </del> |             |        | <del></del>                                      | <del> </del> -                                   | <del></del>                                      |             | <del> </del>                                     |
| [ ]           |     |          |              | İ                                                |                                                  |                                                  |                                                  |                                                  |                                                   |                                                  | 1                                                |           |                                                  |                                                  |             |        | ļ                                                | İ                                                |                                                  |             |                                                  |
| I             |     |          | <del> </del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del> </del>                                      | <del> </del>                                     | <del> </del>                                     |           |                                                  | <del>  </del>                                    |             |        |                                                  | <del> </del>                                     |                                                  |             |                                                  |
|               |     |          | l            | 1                                                |                                                  | 1                                                |                                                  |                                                  |                                                   | Ì                                                | ļ                                                |           | l                                                |                                                  |             |        |                                                  | 1                                                | 1                                                |             | 1                                                |
| <del>  </del> |     | <u> </u> |              |                                                  | <b></b>                                          | <del> </del>                                     |                                                  |                                                  |                                                   |                                                  | <del>                                     </del> |           | <b> </b>                                         |                                                  |             |        |                                                  | <del> </del>                                     |                                                  |             | <del> </del>                                     |
| 1             |     |          |              | ٠.                                               |                                                  |                                                  |                                                  |                                                  | 1                                                 | 1                                                | •                                                |           | 1                                                | 1 1                                              |             |        |                                                  |                                                  |                                                  |             | Ì                                                |
|               |     |          | <del> </del> | <del>                                     </del> |                                                  | <del> </del>                                     | <del>                                     </del> |                                                  | <del>                                     </del>  |                                                  | <del> </del>                                     |           | <del>                                     </del> |                                                  | -+          |        |                                                  | <del>                                     </del> |                                                  |             |                                                  |
| [             |     |          |              |                                                  |                                                  | 1                                                | 1                                                | }                                                | ļ                                                 | {                                                |                                                  |           | <b>[</b>                                         | { {                                              |             |        |                                                  | ļ                                                |                                                  |             | 1                                                |
|               |     |          | <del> </del> |                                                  | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     |                                                   | <del> </del>                                     | <del> </del>                                     | <b></b> - |                                                  | <del>  </del>                                    |             |        | <del>                                     </del> | î —                                              |                                                  |             | <del>                                     </del> |
| 1             | •   |          |              |                                                  |                                                  |                                                  |                                                  | ŀ                                                |                                                   |                                                  |                                                  |           | 1                                                |                                                  | 1           |        |                                                  |                                                  |                                                  |             |                                                  |
| 1             |     |          |              |                                                  | <del> </del>                                     |                                                  | <del>                                     </del> |                                                  | <del>                                     </del>  | <del>                                     </del> | <del> </del>                                     | <b></b> - | <b></b> -                                        |                                                  |             |        | <u> </u>                                         | <del> </del>                                     |                                                  | <del></del> | <del>                                     </del> |
| l i           |     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  | 1                                                 |                                                  |                                                  |           |                                                  |                                                  |             |        |                                                  |                                                  |                                                  |             | 1                                                |
| Element (X)   |     | Σχ²      |              | <b> </b>                                         | ΣX                                               | <u>'                                    </u>     | X                                                | - ·                                              | <del>'                                     </del> | No. OI                                           | , T                                              |           |                                                  | <u></u>                                          | Mean No     | of H   | ours wit                                         | h Tempera                                        | ture                                             | <del></del> | <u> </u>                                         |
| Rel. Hum.     |     |          | 3700         |                                                  | .440                                             | 84 :                                             | 49.0                                             | 21.4                                             | 69                                                |                                                  | 00                                               | ± 0       | F :                                              | 32 F                                             | ≥ 67 f      |        | 73 F                                             | > 80 F                                           | ≥ 93 F                                           |             | Total                                            |
| Dry Bulb      |     | 169      | 3814         |                                                  | 366                                              | 50                                               | 40.7                                             | 14.9                                             | 65                                                | <del></del> 9                                    | 00                                               |           |                                                  | 20,9                                             |             | 9      | •1                                               |                                                  | <del>                                     </del> | _           | 90                                               |
| Wet Bulb      |     |          | 5612         |                                                  | 792                                              | 98                                               | 32.6                                             | 10.6                                             | 45                                                | 9                                                | 00                                               |           |                                                  | 36,6                                             |             | +      |                                                  | <del>                                     </del> | <del></del>                                      |             | 90                                               |
| Dew Point     |     | 45       | 8327         | <del></del>                                      | 183                                              | 63                                               | 20.4                                             | 9.6                                              | 47                                                | ģ                                                | 00                                               |           | •1                                               | 83,0                                             |             | +-     |                                                  |                                                  | <del>-  </del>                                   |             | 90                                               |
|               |     |          | /            | <del>' </del>                                    |                                                  | -31:                                             |                                                  |                                                  |                                                   |                                                  | <del></del>                                      |           | ¥ <b>¥</b> L                                     |                                                  |             |        |                                                  |                                                  |                                                  |             |                                                  |

### PSYCHROMETRIC SUMMARY

| 4112<br>STATION  | 1175 | 11.011 | <u>, a, i                                  </u> | 57    | ATION N | REAT         | 1 74 6  | - )        |           | <u>68≕</u> | <u>.                                    </u> |                |         | 18      | ARS         |                                       |           |          | NOM              |       |
|------------------|------|--------|-------------------------------------------------|-------|---------|--------------|---------|------------|-----------|------------|----------------------------------------------|----------------|---------|---------|-------------|---------------------------------------|-----------|----------|------------------|-------|
|                  |      |        |                                                 |       |         |              |         |            |           |            |                                              |                |         |         |             |                                       | PAGE      | 1        | 1500-            |       |
| Temp.            |      |        |                                                 |       |         |              |         |            |           | DEPRE      |                                              |                |         |         |             | · · · · · · · · · · · · · · · · · · · | TOTAL     |          | TOTAL            |       |
| (F)              | 0    | 1 - 2  | 3 - 4                                           | 5 - 6 | 7 - 8   | 9 - 10       | 11 - 12 | 13 - 14    | 15 - 16   | 17 - 18    | 19 - 20                                      | 21 - 22        | 23 - 24 | 25 - 26 | 27 - 28 2   | 9 - 30 = 31                           | D.B./W.B. | try Bulb | Wet Sulb 1       | Dew P |
| 74/ 73           | 1    | l      | ļ                                               |       | 1       | .            |         |            |           |            |                                              |                |         |         | • 1         |                                       | 1         | 1        |                  |       |
| 72/ 71           |      |        |                                                 |       |         |              |         |            |           |            |                                              |                | •1      | • 1     |             |                                       | 2         | 2        |                  |       |
| 70/ 69           | -    |        |                                                 |       |         |              |         |            |           |            |                                              | • 2            |         |         |             | i                                     | 2         | 2        |                  |       |
| 66/ 65           |      |        |                                                 |       |         |              |         |            |           | ,1         | .3                                           | -1             |         |         |             |                                       | 5         | 5        |                  |       |
| 64/ 63           |      |        | İ                                               | - 1   |         |              |         |            | •3        | .2         | •2                                           | • 2            |         |         |             |                                       | 9         | 9        | . !              |       |
| 62/ 61           | -    |        |                                                 |       |         |              | -1      | •6         | . 4       | .2         | 3                                            |                |         |         |             |                                       | 15        | 15       | <u> </u>         |       |
| 60/ 59           |      |        |                                                 |       | ,       |              | 2       | •4         | 1.2       | • 4        | • 1                                          | 1              |         |         | 1           |                                       | 20        | 20       |                  |       |
| 58/ 57           | +    |        |                                                 |       | - +     | - 1          | .3      | .6         | .7        | -2         |                                              |                |         |         |             |                                       | 18        | 18<br>40 |                  |       |
| 56/ 55<br>54/ 53 |      |        | 1                                               |       | • 1     | 1.2          | 1.0     | 1.7        |           | .3         |                                              | - 1            |         |         |             | İ                                     | 40        | 40       |                  |       |
| 52/ 51           | -+   |        | <del>- i</del>                                  |       | 9 6     |              | 1.3     | •9         | <u>,6</u> | .2         |                                              | <del> </del>   |         |         |             |                                       | 42        | 42       |                  |       |
| 50/ 49           |      |        | 1                                               | .3    | 1.0     | 1.3          | 2.1     | 9          | .4        | • •        | ĺ                                            |                |         |         |             |                                       | 52        | 52       | 7                |       |
| 48/ 47           |      | • 1    | — <del> </del>                                  | •3    |         | 2.1          | 1.2     | .9         | د و       |            |                                              |                |         |         | -           |                                       | 48        | 48       | 12               |       |
| 46/ 45           | -    | ,2     | 1                                               | . 4   | 2.4     | 2.6          | 2.1     | . 1        |           |            |                                              |                |         |         | -           |                                       | 71        | 71       | 31               |       |
| 44/ 43           | -    | 7 54   | • 1                                             | .3    | 1,6     |              | 1.3     | .1         |           |            |                                              |                |         |         | <del></del> |                                       | 50        | 50       | 52               |       |
| 42/ 41           | 1    |        | - 1                                             | 1.0   | 1.8     | .2.2         | . 8     |            |           |            |                                              |                |         |         |             |                                       | 52        | 52       | 68               |       |
| 40/ 39           |      |        | . 8                                             | 1.0   |         |              | •6      |            |           |            |                                              |                |         |         |             |                                       | 47        | 47       | 60               |       |
| 38/ 37           | - 1  | . 4    | . 9                                             | 1.4   | 1.3     | 1.0          | •       |            |           |            | 1                                            | 1              |         |         |             |                                       | 46        | 46       | 80               |       |
| 36/ 35           | . 1  | 1.6    | 1.9                                             | 2.0   | 1,2     | • ò          |         |            |           |            |                                              |                |         |         |             |                                       | 66        | 66       | 81               |       |
| 34/ 33           | . 3  | 1.0    | 1.1                                             | 1.3   | 1.0     | ٠ ا          |         |            |           |            | 1                                            | j              |         |         | ļ           | ,                                     | 43        | 43       | 97               | :     |
| 32/ 31           |      | 1.4    | . 8                                             | 1.6   | • 3     |              |         |            |           |            |                                              |                |         |         |             |                                       | 37        | 37       | 89               |       |
| 30/ 29           |      | 1.1    | 1.0                                             | .7    | • 1     |              |         |            |           | }          |                                              |                |         |         |             |                                       | 26        | 26       | 73               |       |
| 28/ 27           | • 3  | 1.0    | • 6                                             | • 2   | . 1     | í            |         |            |           |            |                                              |                |         |         |             |                                       | 20        | 20       | 49               |       |
| 26/ 25           | .6   | 1.6    | . 8                                             |       |         |              |         |            |           |            |                                              |                |         |         |             |                                       | 26        | 26       | 48               |       |
| 24/ 23           | • 2  | • 7    | • 4                                             |       |         | İ            |         |            |           |            |                                              |                |         |         |             | 1                                     | 12        | 12       | 28               |       |
| 22/ 21           |      | .7     | • 1                                             |       |         |              |         |            |           |            |                                              |                |         |         |             |                                       | 7         | 7        | 12               |       |
| 20/ 19           | į    | 1.8    |                                                 |       |         | -            |         |            |           |            |                                              |                |         | 1       |             |                                       | 16        | 16       | 13               | -     |
| 18/ 17           | . 4  | .9     |                                                 |       |         |              |         |            |           |            |                                              |                |         |         |             |                                       | 12        | 12       | 21               | :     |
| 16/ 15           | ٦    | , ,    | ł                                               |       |         |              |         |            |           |            |                                              | ŀ              |         | Ì       |             |                                       |           | ا ۾ ا    | 4                | (     |
| 14/ 13           | 2    | 1.1    |                                                 |       |         | — <u>.</u> l |         |            |           |            |                                              |                |         |         |             |                                       | 12        | 12       | 9                |       |
| 12/ 11           | • 1  | • 1    | i,                                              | ļ     |         | , .          |         |            |           |            | ł                                            |                | ł       |         | 1           |                                       | 2         | 2        | 5                | :     |
| 10/ 9<br>8/ 7    | - 9  | .3     | - • 1                                           |       |         |              |         |            |           |            |                                              |                |         |         |             |                                       | 13        | 13       | 1                |       |
| 6/ 5             | . 7  | - 6    | ļ                                               | !     |         | , ,          |         |            |           |            |                                              | ļ              |         |         | 1           |                                       | 13        | 13       | 13               |       |
| lement (X)       |      | x2     |                                                 |       | E X     |              | X       | <b>"</b> 2 |           | No. Ob     |                                              | i              |         |         | Mean No     | of Hours wit                          |           |          |                  |       |
| lel. Hum.        |      | ^      |                                                 |       |         |              |         |            |           | ,          | -+                                           | ± 0 F          | 1       | 32 F    | 2 67 F      |                                       | > 80 F    | ≥ 93 F   | <del>.   -</del> | otal  |
| Dry Bulb         |      |        |                                                 |       |         |              |         |            | L_        |            |                                              | <del>y r</del> |         | 44 T    | - y/ F      | 1 - 13 -                              | - 00 1    | - 73 -   |                  | VIVI  |

0.26-5 (OLA) REVISED MEVIOUS EDITIONS OF THIS FORM ARE C

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ETAC FORM 0.26.5

USAF ETAC AIR WEATHER SERVICE/MAC

DATA PROCESSING BRANCH

#### **PSYCHROMETRIC SUMMARY**

90

MALMSTROM AFB MT/GREAT FALLS NOV 1500-1700 HOURS (L. S. T.) PAGE 2

WET BULB TEMPERATURE DEPRESSION (F) (F) 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 - 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D.B./W.B. Dry Builb | Wer Builb | Dew Point 4/ 1.4 12 9 8 1.0 7 9 2 0/ -1! 3 -2/ -3 -4/ -5 2 -6/ -7 -8/ -9 -10/-11 -12/-13 -16/-17 -18/-19 -20/-21 <u>899</u> 4.717.9 8.610.714.215.812.3 7.0 5.0 1.9 1.0 899 899 No. Obs. Element (X) Meen No. of Hours with Temperature 45314 50.420.464 35199 39.214.584 2660094 1569171 399 899 ± 32 F 90 23.0 1.2

89%

41.1

1.5

õ

Dry Bulk

Wet Bulb

Dew Point

28410

31.610.644

20.0 9.781

999546

444185

## PSYCHROMETRIC SUMMARY

| 24112<br>STATION | MA           | LMST  | RUM   | AFB I | MT/G       | REAT   | FAL       | LS         |             | <u>8-</u>                                        | 77                                               |                                                  |         | YE            | ARS     |        |                                                  |            |            | NI<br>Mo       | V UNTH    |
|------------------|--------------|-------|-------|-------|------------|--------|-----------|------------|-------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------|---------------|---------|--------|--------------------------------------------------|------------|------------|----------------|-----------|
|                  |              |       |       |       |            |        |           |            |             |                                                  |                                                  |                                                  |         |               |         |        |                                                  | PAGI       | <b>F</b> 1 | 1800           | -2000     |
| Temp.            |              |       |       |       |            | WET    | BULB      | EMPER      | ATURE       | DEPR                                             | ESSION                                           | (F)                                              |         |               |         |        |                                                  | TOTAL      |            | TOTAL          |           |
| (F)              | U            | 1 - 2 | 3 - 4 | 3 - 6 | 7 - 8      | 9 - 10 | 11 - 12   | 13 - 14    | 15 - 16     | 17 - 18                                          | 19 - 20                                          | 21 - 22                                          | 23 - 24 | 25 - 26       | 27 - 28 | 29 - 3 | 0 231                                            | D.B./W.B.  | Dry Bulb   | Wet Bulb       | Dew Point |
| 62/ 61           |              |       | l     |       |            |        |           |            | . 1         |                                                  | Ī                                                |                                                  |         |               |         |        | T                                                | 1          | 1          |                |           |
| 60/ 59           |              |       |       |       |            |        |           | , 4        |             | 1                                                | <u> </u>                                         | <u>                                     </u>     |         |               |         |        |                                                  | 6          | 6          |                |           |
| 58/ 57           |              |       |       |       |            |        | .3        | • 3        | .4          | · i                                              |                                                  |                                                  |         |               |         |        |                                                  | 10         | 1.0        |                |           |
| 56/ 55           |              |       |       |       |            | •1     | . 2       | . 1        | . 4         |                                                  |                                                  |                                                  |         |               |         |        | _                                                | 9          | 9          |                |           |
| 54/ 53           | - 1          |       | !     |       | • 1        | • 8    | .7        | •7         | .1          |                                                  | 1                                                | i                                                |         | 1 .           |         |        |                                                  | 21         | 21         |                |           |
| 52/ 51           |              |       | !     | -1    |            | 1.0    |           | . 2        | 1           |                                                  | <u> </u>                                         |                                                  |         | 1             |         |        | <u> </u>                                         | 25         | 25         |                |           |
| 50/ 49           | l            |       |       | . 2   | 1.1        | 1.0    |           | • 6        | .1          |                                                  | i                                                | 1 1                                              |         | ]             |         |        | 1                                                | 38         | 38         |                |           |
| 48/ 47           |              |       |       | .6    | . 9        | 1.2    | •7        | , 3        |             |                                                  | <u> </u>                                         |                                                  |         | ļ             |         |        |                                                  | 33         | 33         |                |           |
| 46/ 45           | į            |       | • 1   | . 9   | 1.4        | 1.2    | <b>ν6</b> | • 2        |             | 1                                                |                                                  | 1 1                                              |         | 1 1           | j .     |        | 1                                                | 40         | 40         | 15             |           |
| 44/ 43           |              |       | . 8   | 1.2   | 1.9        | 1.3    | • 2       |            |             | <b>↓</b>                                         | ļ                                                |                                                  |         | ļ             |         |        |                                                  | 49         | 49         | 17             |           |
| 42/ 41           | I            | • 1   | • 8   | .9    | 1.2        | 1,2    | _         |            |             | 1                                                |                                                  |                                                  |         | i             |         |        |                                                  | 38         | 38         | 30             | _         |
| 40/ 39           |              | 2     | .9    | 1.8   | 3.1        | 1.2    | 1         |            |             |                                                  | ļ                                                |                                                  |         | <b>↓</b> :_   |         |        |                                                  | 66         | 66         | 63             | 3<br>5    |
| 38/ 37           | Į            | . 4   |       | 3.2   | 1.6        |        |           |            |             |                                                  |                                                  |                                                  |         |               |         |        |                                                  | 64         | 64         | 55             |           |
| 36/ 35           |              | 1.1   | 2.7   | 2.0   | 1.3        | • 7    |           |            |             | <del> </del>                                     |                                                  |                                                  |         |               |         |        |                                                  | 70         | 70         | 62             | 12        |
| 34/ 33           | ا            | 1.8   |       | 2.3   | • 1        | • 1    |           |            |             |                                                  |                                                  |                                                  |         |               |         |        | į                                                | 48         | 48         | 86             | 35        |
| 32/ 31           | • 2          | 1.6   |       | 1,0   | <u>• 6</u> |        |           |            |             |                                                  |                                                  | <del> </del>                                     |         |               |         |        |                                                  | 38         | 38         | 99             | 49        |
| 30/ 29           | • 3          |       |       | 1.6   | • 2        |        |           |            |             | i                                                |                                                  |                                                  |         |               | ł       |        |                                                  | 53         | 53         | 85             | 37        |
| 28/ 27           | -6           |       |       | . 8   |            |        |           |            |             | <del> </del>                                     |                                                  | -                                                |         | <del></del> - | ì——     |        |                                                  | 39         | 39         | 58             | 86        |
| 26/ 25           | • 4          |       |       | • 2   |            |        |           |            |             |                                                  | }                                                | ]                                                |         |               |         |        |                                                  | 44         | 44         | 53             | 81        |
| 24/ 23           | 9            |       |       | •1    |            |        |           |            |             |                                                  | ╂                                                | <del>                                     </del> |         | <del> </del>  |         |        |                                                  | 27         | 40<br>27   | <u> 56</u>     | 62<br>88  |
| 22/ 21 20/ 19    | •1<br>•2     |       |       | .3    |            | ` '    |           |            |             | İ                                                | 1                                                | }                                                |         |               |         |        | j                                                | 30         | 30         | 33<br>33       | 58        |
| 18/ 17           | .6           |       |       | • •   |            |        |           |            |             |                                                  | <del> </del>                                     | <del>  </del>                                    |         |               |         |        | <del>- </del>                                    | 15         | 15         | 40             | 58        |
| 16/ 15           | .6           |       | i i   | . 1   |            |        |           |            |             |                                                  | İ                                                |                                                  |         | 1 ,           |         |        | ĺ                                                | 13         | 13         | 17             | 69        |
| 14/ 13           | • 3          | •8    |       |       |            |        |           |            |             |                                                  | -                                                | <del>                                     </del> |         |               |         |        |                                                  | 10         | 10         | 13             | 53        |
| 12/ 11           | -1           | .7    |       | Ì     |            |        |           |            |             |                                                  | İ                                                | 4                                                |         | 1             |         |        |                                                  | 1 7        | 7          | 5              | 51        |
| 10/ 9            | .3           | .6    |       |       |            |        |           |            |             | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |         | <del> </del>  |         |        | <del>- </del>                                    | 8          | 8          | 9              | 37        |
| 8/ 7             | 2            | . 2   |       |       |            |        |           |            |             |                                                  |                                                  |                                                  |         | 1             |         |        | }                                                | 4          | 4          | 7              | 24        |
| 6/ 5             | .6           |       |       |       |            |        |           |            | <del></del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> |         | <del> </del>  | <b></b> |        | +                                                | 7          | 7          | 6              | 9         |
| 4/ 3             | . 1          | , 9   |       |       |            |        |           |            |             |                                                  |                                                  | ]                                                |         |               |         |        | 1                                                | 9          | 9          | 10             | 10        |
| 2/ 1             | .0           | . 8   |       |       |            |        |           |            | <b></b>     | <del> </del>                                     | <del>                                     </del> | <del>  </del>                                    |         | +             |         |        |                                                  | 12         | 12         | 7              | 5         |
| 0/ -1            | 1.0          | 7,    | ļ     |       |            |        |           |            | }           |                                                  |                                                  |                                                  |         |               |         |        |                                                  | 10         | 10         | 15             | 10        |
| -2/ -3           | . 2          |       | ;     |       |            |        |           |            |             | 1                                                | 1                                                | 1 -                                              |         | 1             |         |        | <del>                                     </del> | 2          | 2          | <del>- 3</del> |           |
| -4/ -5           | . 3          |       |       |       |            |        |           |            |             |                                                  |                                                  |                                                  |         |               |         |        |                                                  | 3          | 3          | 3              | 3         |
| Element (X)      | <del>-</del> | Σ X 2 | -     |       | z X        | -      | X         | <b>"</b> , |             | No. C                                            | bs.                                              | <u> </u>                                         |         |               | Mean t  | lo. of | Hours wit                                        | h Temperat | ure        |                |           |
| Rel. Hum.        |              |       |       |       |            | 7      |           |            |             |                                                  |                                                  | ± 0 F                                            |         | ≤ 32 F        | ≥ 67    | F      | ≥ 73 F                                           | ≥ 80 F     | = 93 !     |                | Total     |
| Dry Buib         |              |       |       |       |            |        |           |            |             |                                                  |                                                  |                                                  | $\top$  |               |         |        |                                                  |            | 1          |                |           |
| Wet Bulb         |              |       |       |       |            |        |           |            |             |                                                  |                                                  |                                                  |         |               | I       | 1      |                                                  | T          |            |                |           |

FOZA 0.26-5 (OL A) REVISED PREVIOUS EDITION

AFETAC FOR

Dew Point

### **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION                          | MA  | LMST                 | ROM        | AFB 51       | MT/G                                               | REAT         | FAL                                              | LS          |         | 6B-                                              | 77                                               |              |         | YE                                               | ARS     |          |              |                                                  |          | N(       | JV<br>NTH    |
|------------------------------------------|-----|----------------------|------------|--------------|----------------------------------------------------|--------------|--------------------------------------------------|-------------|---------|--------------------------------------------------|--------------------------------------------------|--------------|---------|--------------------------------------------------|---------|----------|--------------|--------------------------------------------------|----------|----------|--------------|
|                                          |     |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              | PAGE                                             | 2        | 1800-    | -20t         |
| 7 .mp                                    |     |                      |            |              |                                                    |              | BULB                                             |             |         |                                                  |                                                  |              |         |                                                  |         |          |              | TOTAL                                            |          | TOTAL    |              |
| (F)                                      | 0   | 1 - 2                | 3 - 4      | 5 - 6        | 7 - b                                              | 9 - 10       | 11 - 12                                          | 13 - 14     | 15 - 16 | 17 - 18                                          | 19 - 20                                          | 21 - 22      | 23 - 24 | 25 - 26                                          | 27 - 28 | 29 - 30  | ≥ 31         | D.B./W.B.                                        | Ory Bulb | Wet Bulb | Dew I        |
| -5/ -7                                   |     |                      |            |              |                                                    | 1            |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              |                                                  | - 1      |          |              |
| -3/ -9                                   |     |                      |            |              |                                                    | <u> </u>     |                                                  |             |         |                                                  |                                                  |              |         | <u> </u>                                         |         |          |              |                                                  |          |          |              |
| 10/-11                                   | . 2 | Ì                    |            |              |                                                    | 1            |                                                  |             |         |                                                  |                                                  |              |         | 1                                                |         |          | 1            | 2                                                | 2        | 2        |              |
| 12/-13                                   | .3  |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              | 3                                                | 3        | 3        |              |
| 14/-15                                   | . 1 |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              | 1 1                                              | 1        | 1        |              |
| 16/-17                                   |     |                      |            |              |                                                    | <u> </u>     |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              |                                                  |          |          |              |
| 18/-19                                   | • 2 |                      |            |              | •                                                  |              |                                                  |             | i       | İ                                                |                                                  |              |         |                                                  |         |          |              | 2                                                | 2        | 2        |              |
| 20/ <del>-21</del><br>22/ <del>-23</del> |     |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              |                                                  |          |          |              |
| 22/-23                                   | ĺ   |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         | ]                                                |         |          |              |                                                  |          |          |              |
| 24/-25                                   |     |                      |            |              |                                                    | <u> </u>     |                                                  |             |         |                                                  |                                                  |              |         | 1                                                |         |          |              |                                                  |          |          |              |
| 28/-29                                   |     |                      |            |              | İ                                                  |              |                                                  |             |         |                                                  |                                                  | i i          |         |                                                  |         |          |              |                                                  | ,        |          |              |
| 30/-31                                   |     |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         | -                                                |         |          |              |                                                  | 583      |          | _            |
| DIAL                                     | 8.6 | 23.4                 | 10.0       | 17.5         | 13.0                                               | 10+4         | 5.4                                              | 2.9         | 1.4     | • 2                                              |                                                  |              |         |                                                  |         |          |              |                                                  | 897      | 0        | 8            |
|                                          |     |                      |            |              | ļ                                                  |              | ļ                                                |             |         |                                                  |                                                  |              |         | 1                                                |         |          | ļ            | 897                                              |          | 897      | <u> </u>     |
|                                          |     |                      |            | ĺ            |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         | '                                                |         |          |              | }                                                |          |          | i            |
|                                          |     |                      |            |              | ļ                                                  | <u> </u>     |                                                  |             |         |                                                  |                                                  |              |         |                                                  |         |          |              |                                                  |          |          |              |
|                                          |     |                      |            |              |                                                    |              |                                                  |             |         |                                                  |                                                  | i i          |         | 1                                                |         |          | ļ            |                                                  |          |          |              |
|                                          |     |                      |            |              | <del> </del>                                       |              |                                                  |             |         |                                                  |                                                  |              | -       | <del> </del>                                     |         |          | <b> </b>     | <del> </del>                                     |          |          |              |
|                                          |     |                      |            |              |                                                    | Ì            | 1                                                |             |         |                                                  | <u> </u>                                         |              | •       | 1                                                |         |          | ĺ            |                                                  |          |          |              |
|                                          |     |                      |            |              |                                                    |              | -                                                |             |         |                                                  |                                                  |              |         | -                                                |         |          | -            | <u> </u>                                         |          |          |              |
|                                          |     |                      |            |              | Į.                                                 | 1            |                                                  |             |         |                                                  | 1                                                |              |         | 1                                                |         |          |              |                                                  |          |          |              |
|                                          |     |                      |            |              | <del> </del>                                       | <del> </del> | <del> </del>                                     |             |         |                                                  |                                                  | -            |         | <del> </del>                                     |         |          |              | <del>  </del>                                    |          |          |              |
| 1                                        |     |                      |            | ļ            | 1                                                  |              |                                                  |             |         | •                                                | i                                                |              |         | ŀ                                                |         |          | İ            |                                                  |          |          |              |
|                                          |     |                      |            |              | <del>                                     </del>   | <del> </del> | <del> </del>                                     |             |         |                                                  |                                                  |              |         |                                                  |         |          |              | <del> </del>                                     |          |          |              |
|                                          |     |                      |            |              |                                                    |              |                                                  |             |         | l                                                |                                                  |              |         |                                                  |         |          |              |                                                  | - 1      |          | İ            |
|                                          |     |                      |            |              | <del>                                       </del> | <del>}</del> | <del>                                     </del> |             |         | <del> </del>                                     |                                                  | -            |         | <del> </del>                                     |         |          |              | <del>                                     </del> |          |          | -            |
| }                                        |     |                      |            |              | İ                                                  |              |                                                  | İ           |         | Ì                                                | ŀ                                                | 1            |         |                                                  | 1 1     |          |              | Ì                                                |          |          | [            |
|                                          |     |                      |            |              | <del> </del>                                       |              | <del> </del>                                     | ·           |         |                                                  |                                                  | <del> </del> |         |                                                  |         |          | -            |                                                  |          |          |              |
|                                          |     |                      |            | !            |                                                    | ١.           |                                                  | •           |         |                                                  |                                                  |              |         |                                                  |         |          |              |                                                  | 1        |          |              |
|                                          |     |                      | — <i>-</i> | <del> </del> | _                                                  | <b></b>      | <del>                                     </del> | <del></del> |         | L                                                | <del>                                     </del> |              |         | <del> </del>                                     |         |          | <del> </del> | <del> </del>                                     |          |          | <del> </del> |
|                                          |     |                      |            |              |                                                    |              |                                                  |             |         | <b>!</b>                                         |                                                  |              |         |                                                  |         |          | ļ            |                                                  |          |          | l            |
| <del></del>                              |     |                      |            | <del> </del> | <del>                                     </del>   |              | <del> </del>                                     |             |         | <del>                                     </del> |                                                  |              |         | <del>                                     </del> |         |          |              |                                                  |          |          |              |
|                                          |     |                      |            | 1            |                                                    |              |                                                  |             |         |                                                  |                                                  |              |         | i                                                |         |          |              |                                                  | ļ        |          |              |
| Element (X)                              |     | $\Sigma_{\lambda^2}$ |            |              | Σχ                                                 |              | X                                                | <b>₹</b>    |         | No. Ol                                           | 8.                                               |              |         |                                                  | Mean h  | io. of H | ours wit     | h Temperati                                      | ure.     |          |              |
| Rel. Hum.                                |     | 347                  | 9255       |              | 532                                                | 77           | 59.4                                             | 18.7        | 47      | 8                                                | 97                                               | ≤ 0 1        | F       | ≤ 32 F                                           | ≥ 67    | F >      | 73 F         | ≥ 80 F                                           | ≥ 93 F   |          | Total        |
| Dry Bulb                                 |     | 115                  | 8523       |              | 298                                                | C7:          | 33.2                                             | 13.6        | 95      | 8                                                | 97                                               | 2            | .3      | 38,0                                             |         |          |              |                                                  |          |          |              |
| Wet Bulb                                 |     |                      | 2792       | 1            |                                                    |              | 28.1                                             | 1-          |         |                                                  | 97                                               |              | .9      | 56.2                                             |         |          |              |                                                  |          | -        |              |

0.26-5 (OLA) REVISED MEYIOUS EDITIONS OF THIS FORM ARE OBSOVED

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AFETAC FOLD

### **PSYCHROMETRIC SUMMARY**

| 4112             | MA       | LMST  | ROM   | AFB   | MT/G                                             | REAT     | FAL          | LŞ                                               |         | 08-                                              | 77           |              |              | YE                                               | ARS                                              | ·           |              | <del></del> . | NC<br>MON |             |
|------------------|----------|-------|-------|-------|--------------------------------------------------|----------|--------------|--------------------------------------------------|---------|--------------------------------------------------|--------------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|-------------|--------------|---------------|-----------|-------------|
| •                |          |       |       | -     |                                                  | 2        |              |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | PAGE         | 1 .           | 2100-     | -230        |
| Temp             |          |       |       |       |                                                  |          |              | TEMPER                                           |         |                                                  |              |              |              |                                                  |                                                  |             | TOTAL        |               | TOTAL     |             |
| (F)              | 0        | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8                                            | 9 - 10   | 11 - 12      |                                                  | 15 - 16 | 17 - 18                                          | 19 - 20      | 21 - 22      | 23 - 24      | 25 - 26                                          | 27 - 28 29                                       | - 30 ≥ 31   | D.B./W.B.    |               | Wet Bulb  | Dew P       |
| 60/ 59           |          |       |       | ļ     |                                                  |          |              | • 1                                              | _       | • 1                                              |              |              | !            |                                                  |                                                  |             | 2            | 2             | 1         |             |
| 58/ 57           |          |       |       |       |                                                  |          |              | .6                                               | .3      |                                                  |              |              |              |                                                  |                                                  |             | 12           | 12            | i         | <del></del> |
| 56/ 55<br>54/ 53 |          |       |       |       |                                                  | . 7      | .3           |                                                  | • 4     |                                                  |              |              |              | l į                                              |                                                  |             | 16           | 16            | ļ         |             |
| 52/ 51           |          |       |       | . 2   | , 2                                              | • 7      |              |                                                  |         | -                                                |              |              |              | <del>                                     </del> |                                                  |             | 24           | 24            |           |             |
| 50/ 49           |          |       |       | . 1   | . 8                                              | 9        |              | . 2                                              |         |                                                  |              |              |              |                                                  |                                                  | İ           | 21           | 21            |           |             |
| 48/ 47           |          |       |       |       | 1.0                                              |          | , 3          |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 22           | 22            |           |             |
| 46/ 45           |          |       | • 2   | 1.2   | 2.0                                              | . 6      |              | . 1                                              |         |                                                  |              |              |              |                                                  |                                                  |             | 47           | 47            | 6         |             |
| 44/ 43           |          |       | 1.0   | 1.6   | 2.7                                              | •7       | •2           |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 55           | 55            | 20        |             |
| 42/ 41           |          |       | .6    | 1.2   | 1.1                                              | • 4      | .1           |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 31           | 31            | 28        |             |
| 40/ 39           |          | • 2   | .7    | 1.8   |                                                  | 1.1      |              |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 49           | 49            | 61        |             |
| 38/ 37           |          | • 2   |       | 3.9   | 1,6                                              | • 3      |              | $\sqcup$                                         |         | ļ                                                |              |              |              |                                                  |                                                  |             | 60           | 60            | 52        |             |
| 36/ 35           |          | 1.1   | 1.4   |       |                                                  |          | ]            |                                                  |         |                                                  |              |              |              |                                                  |                                                  | -           | 52           | 52            | 65        |             |
| 34/ 33           | - 2      |       | 2.6   |       | • 7                                              |          | <del> </del> |                                                  |         | <del> </del>                                     |              | ļ            |              |                                                  |                                                  |             | 57           | 60<br>57      | 58        |             |
| 32/ 31<br>30/ 29 | .3<br>.3 |       | 2.2   | 1.7   | .3                                               |          |              |                                                  |         |                                                  |              | İ            |              |                                                  |                                                  |             | 54           | 54            | 90<br>88  |             |
| 28/ 27           | 1.1      |       |       | • 2   |                                                  |          |              |                                                  |         | ┼                                                |              | <del> </del> |              |                                                  |                                                  |             | 47           | 47            | 71        |             |
| 26/ 25           | .2       |       |       | · • 1 |                                                  | . 1 1 %  | Į.           |                                                  |         | İ                                                |              | İ            |              |                                                  |                                                  |             | 41           | 41            | 61        |             |
| 24/ 23           | •7       |       |       | • 1   |                                                  |          | <b></b>      | <u> </u>                                         |         | <del>                                     </del> |              |              | $\vdash$     |                                                  |                                                  |             | 32           | 32            | 57        |             |
| 22/ 21           | 2        | 1.8   | .3    | . 1   |                                                  | : :      |              |                                                  |         | İ                                                |              |              |              |                                                  |                                                  |             | 22           | 22            | 33        |             |
| 20/ 19           | • 3      | 3.0   |       |       |                                                  |          |              |                                                  |         | Ì                                                |              |              |              |                                                  |                                                  |             | 38           | 38            | 34        |             |
| 18/ 17           | 3        | 2,5   | • 2   |       |                                                  | *        |              |                                                  |         | <u> </u>                                         |              | <u> </u>     |              |                                                  |                                                  |             | 27           | 27            | 28        |             |
| 16/ 15           | .3       | 1.3   | • 1   |       |                                                  |          | j            |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 16           | 16            | 33        |             |
| 14/ 13           | 7        | . 8   | • 1   | •     | ļ                                                |          | <u> </u>     | ļ                                                |         | <del> </del>                                     |              |              |              |                                                  |                                                  |             | 14           | 14            | 18        |             |
| 12/ 11           | . 8      |       |       |       |                                                  |          |              |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 16           | 16            | 15        |             |
| 10/ 9            | بيعل     |       |       |       | ļ                                                | . ^      | <del> </del> |                                                  |         |                                                  | <del> </del> |              |              | $\vdash$                                         | <del>                                     </del> |             | 16           | 16            | 18        |             |
| 8/ 7             | • 3      | )     |       |       |                                                  |          | l            |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 3            | 3             | 7 5       |             |
| 6/ 5             | . 4      | .8    |       |       | <del>                                     </del> |          | <del> </del> | <del>                                     </del> | -       | <del>                                     </del> | -            | <del> </del> | <del> </del> |                                                  | <del>                                     </del> |             | 11           | 11            | 4         |             |
| 2/ 1             | 1        | 1.0   | 1     |       |                                                  |          | 1            |                                                  |         |                                                  |              | 1            |              |                                                  |                                                  |             | iol          | 10            | 15        |             |
| 0/ -1            | .4       |       | 1     |       |                                                  | Ι.       |              |                                                  |         | $\vdash$                                         |              |              |              |                                                  | <del>  </del>                                    |             | 7            | 7             | 6         |             |
| -2/ -3           | . 7      | .2    |       |       | •                                                |          |              |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 8            | ė             | 10        |             |
| -4/ -5           | • 2      |       |       |       |                                                  | <u> </u> |              |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 2            | 2             | 3         |             |
| -5/ -7           | 3        | L     |       |       |                                                  |          | <u> </u>     |                                                  |         |                                                  |              |              |              |                                                  |                                                  |             | 3            | 3             | 3         | ٠.          |
| lement (X)       |          | ΣX:   |       |       | Σχ                                               |          | ¥            | <b>₹</b>                                         | 工       | No. Ol                                           | \$.          |              |              |                                                  | Mean No                                          | of Hours wi | th Temperati |               |           |             |
| tel. Hum.        |          |       |       |       |                                                  | _        |              | ļ                                                | _       |                                                  |              | ⊴ 0          | F            | 5 32 F                                           | ≥ 67 F                                           | ≥ 73 F      | ≥ 80 F       | ≥ 93 F        |           | Total       |
| Dry Bulb         |          |       |       |       |                                                  |          |              | ļ                                                | -       |                                                  |              |              |              |                                                  |                                                  | ļ           | <b></b>      | <del> </del>  |           |             |
| Wet Bulb         |          |       |       |       |                                                  |          |              | ļ                                                |         |                                                  |              |              |              |                                                  |                                                  |             | ļ            |               |           |             |
| Dew Point        |          |       |       | Ī     |                                                  | - 1      |              | 1                                                | - 1     |                                                  | 1            |              |              |                                                  | ļ                                                | 1           | 1            | 1             | 1         |             |

0.26-5 (OL. A) REVISED MEVIOUS EDITIONS OF THIS FORM ARE OBSOILETE

ETAC FORM 0.34.5

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** 2 AIR WEATHER SERVICE/MAC NOV MALMSTROM AFB MT/GREAT FALLS \* 2100-2300 HOURS (L. S. T.) PAGE 2 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point -8/ -9 9 3 5  $\frac{-10/-11}{-12/-13}$ 3 1 -14/-15 -16/-17 -18/-19 -20/-21 . 1 1 1 1 1 1 . 1 -22/-23 -24/-25 -28/-29 TOTAL 897 897 10.726.218.317.213.4 5.5 3.6 2.8 1.2 897 897 No. Obs. Mean No. of Hours with Temperature Element (X) 部を発 Rel. Hum. 3761886 55760 62.218.166 897 ≤ 32 F 90 Dry Bulb 1061440 28228 31.513.900 897 2.8 43.8 24101 16761 26.911.100 18.710.370 90 Wet Bulb 757961 -897 3.0 60,9 90 Dew Point 409541 85.9 897

1

## PSYCHROMETRIC SUMMARY

| 24112            | MA       | LMST         | RDM A |            |               |            | FAL                                              | LS            |          | 08-                                              | 77       |              |         |                                                  |                                                  |          |                                                  |            |               | N          |            |
|------------------|----------|--------------|-------|------------|---------------|------------|--------------------------------------------------|---------------|----------|--------------------------------------------------|----------|--------------|---------|--------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|------------|---------------|------------|------------|
| STATION          |          |              |       | ST         | ATION NA      | W_         |                                                  |               |          |                                                  |          |              |         | YE                                               | ARS                                              |          |                                                  | PAGE       | : 1           | МО         |            |
|                  |          |              |       |            |               |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | PAGE       | •             |            | L. 5, T.)  |
| Temp             |          |              |       |            |               |            |                                                  | TEMPER!       |          |                                                  |          |              |         |                                                  | ,                                                |          |                                                  | TOTAL      |               | TOTAL      |            |
| (F)              | 0        | 1 - 2        | 3 - 4 | 5 - 6      | 7 - 8         | 9 - 10     | 11 - 12                                          | 13 - 14       | 15 - 16  | 17 - 18                                          | 19 - 20  | 21 - 22      | 23 - 24 |                                                  |                                                  | 29 - 30  | ≥ 31                                             | D.B./W.B.  |               | Wet Bulb   | Dew Point  |
| 74/ 73           |          |              | İ     |            |               |            |                                                  |               |          |                                                  |          |              | ^       | •0                                               | •0                                               |          |                                                  | 2          | 2             |            |            |
| 72/ 71           |          |              |       |            | <del>i</del>  |            |                                                  |               |          |                                                  | •0       | •0           | •0      | •0                                               |                                                  |          |                                                  | 5          | <u>6</u><br>5 |            |            |
| 68/ 67           |          |              |       |            |               |            |                                                  |               |          |                                                  | ••       | •0           | .0      |                                                  |                                                  |          |                                                  | 3          | 3             |            |            |
| 66/ 65           |          |              |       |            | $\overline{}$ |            |                                                  |               |          | .0                                               | •1       | .1           |         |                                                  |                                                  |          | <del> </del>                                     | 18         | 18            |            |            |
| 64/ 63           |          |              |       |            |               |            |                                                  | .0            | .1       | .2                                               | .1       | -1           |         |                                                  |                                                  |          |                                                  | 27         | 27            |            |            |
| 62/ 61           |          |              |       |            |               |            | •0                                               | • 2           | •2       | .1                                               | •1       |              |         |                                                  |                                                  |          |                                                  | 47         | 47            |            |            |
| 60/ 59           |          |              |       |            |               | •0         |                                                  | .2            | .3       |                                                  | •0       |              |         | ļ                                                |                                                  |          | <u> </u>                                         | 58         | 58            |            |            |
| 58/ 57           |          |              |       |            | • 0           | •0         |                                                  | .4            | • 4      | .2                                               | _        | .            |         |                                                  |                                                  |          |                                                  | 88<br>161  | 88<br>161     |            |            |
| 56/ 55<br>54/ 53 |          | <del> </del> |       |            | •0            | •3<br>•6   | • 6<br>• 8                                       |               | .5<br>.4 |                                                  | 0        |              |         |                                                  |                                                  |          | <del>                                     </del> | 187        | 187           |            |            |
| 52/ 51           |          |              | • 0   | .1         | .3            | 9          | 1.0                                              | 6             | • 2      | .0                                               |          |              |         |                                                  |                                                  |          |                                                  | 228        | 228           | 2          |            |
| 50/ 49           |          |              | • 0   | .2         | . 8           | 1.0        |                                                  | •6            | •2       |                                                  |          |              |         |                                                  |                                                  |          |                                                  | 280        | 280           | 12         |            |
| 48/ 47           |          | .0           | • 0   | .4         | . 8           | 1.2        | • 7                                              | <b>ق</b> .    |          | i                                                |          |              |         |                                                  |                                                  |          |                                                  | 259        | 259           | 37         |            |
| 46/ 45           |          | .0           | • 1   | • 9        | 1.8           | 1,7        | 1.0                                              |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | -398       | 398           | 131        | 2          |
| 44/ 43           |          | •0           | - 6   | 1.2        | 1.8           | 176        | •7                                               | •0            |          |                                                  |          |              |         | ļ                                                |                                                  |          |                                                  | 418        | 418           | 217        | 2          |
| 42/ 41           |          | • 2          | • 5   |            | 1.2           | 13         | .3                                               |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | 349        | 349           | 365        | 8          |
| 40/ 39           |          | .3           | . 9   | 1.5        | 1.6           | _1.1       | 1                                                | <del>  </del> |          |                                                  |          |              |         | <del> </del>                                     |                                                  |          | ├                                                | 404        | 396<br>404    | 450        | - 10<br>50 |
| 38/ 37<br>36/ 35 | _        | 1.0          | 1.0   | 2.3        | 1.4           | • 5<br>• 3 |                                                  |               |          |                                                  |          |              |         | }                                                |                                                  |          |                                                  | 447        | 447           | 553        | 112        |
| 34/ 33           | .0       |              |       |            |               | • 0        |                                                  | l             |          |                                                  |          |              |         |                                                  | <del>                                     </del> |          |                                                  | 399        | 399           | 633        | 255        |
| 32/ 31           | . 2      | 1.4          | 1.6   | i - 5      | .3            | Y          |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          | -                                                | 348        | 348           | 668        | 352        |
| 30/ 29           | .4       | 2.2          |       |            |               |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | .391       | 391           | 624        | 369        |
| 28/ 27           | 1.0      | 1.8          | 2.Ó   | . 3        | .0            |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          | <u> </u>                                         | -367       | 367           | 551        | 605        |
| 26/ 25           | .7       | 1.9          | 1.3   | • 1        |               |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | 288        | 288           | 444        | 686        |
| 24/ 23           | 6        | 1.5          | . 9   | • 1        |               | ,          |                                                  |               |          | ļ                                                |          |              |         | <u> </u>                                         |                                                  |          | <u> </u>                                         | 215        | 215           | 374        | 534        |
| 22/ 21           | •4       |              | • 4   |            |               | '          |                                                  |               |          |                                                  |          |              |         | ]                                                |                                                  |          |                                                  | 164        | 164           | 237        | 638        |
| 20/ 19           | .4       |              | . 2   |            |               | ,          | ļ                                                |               |          | <del> </del>                                     | <u> </u> |              |         | <del> </del> -                                   | <u> </u>                                         |          | -                                                | 200        | 200           | 212        | 516<br>535 |
| 18/ 17           | .5       | 1.4          | • 1   | _          |               |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | 1/39       | 139           | 213<br>130 | 575        |
| 16/ 15           | .5       |              | . 2   | •0         |               |            | <del>                                     </del> | <del>  </del> |          | <del> </del>                                     |          |              |         | <del>                                     </del> |                                                  |          | <del> </del>                                     | 104        | 104           | 102        | 462        |
| 12/ 11           | .5       |              | • 1   |            |               |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | 93         | 93            | 104        | 331        |
| 10/ 9            | .6       |              | •0    |            | I             |            |                                                  |               |          | <del>                                     </del> |          |              |         | <del>                                     </del> |                                                  |          | <del>                                     </del> | 95         | 95            | 87         | 255        |
| 8/ 7             | 4        | . 5          | • 0   |            |               |            |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | 63         | 63            | 79         | 195        |
| Element (X)      |          | Σχ2          |       |            | Σχ            |            | X                                                | <b>₹</b>      |          | No. Ob                                           | s.       |              |         |                                                  | Mean I                                           | to. of H | ours wit                                         | h Temperat | UFR           |            |            |
| Rel. Hum.        |          |              |       |            |               |            |                                                  |               |          |                                                  |          | ± 0 ∣        | F :     | 32 F                                             | ≥ 67                                             | F i      | 73 F                                             | ≥ 80 F     | ≥ 93          | F          | Total      |
| Dry Bulb         |          |              |       |            |               | _          |                                                  |               |          |                                                  |          |              | _       |                                                  |                                                  |          |                                                  |            |               |            |            |
| Wet Bulb         |          |              |       | ļ <u>.</u> |               | <u>-¦-</u> |                                                  |               |          |                                                  |          |              |         |                                                  |                                                  |          |                                                  | <b></b>    | ļ             |            |            |
| Dew Point        | <u> </u> |              |       | l          |               |            |                                                  | <u> </u>      |          |                                                  |          | ~~ <u>~~</u> | L_      |                                                  | <u> </u>                                         | L        |                                                  | <u> </u>   |               |            |            |

FORM 0.26-5 (OL A)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTRUM AFB

### **PSYCHROMETRIC SUMMARY**

\* SANTA SANTE AND COMPANY OF A SANTA SANTA SANTA SANTA SANTA SANTA SANTA SANTA SANTA SANTA SANTA SANTA SANTA S

| STATION        | MA  | LMST         | ROM          | AFB s                                        | MT/G     | REAT        | FAL                                              | LS                                               |                                                  | 68-                                              | 77                                               |          |         | YE                                            | ARS     |           |         |          |                                                  | NE MON      |           |
|----------------|-----|--------------|--------------|----------------------------------------------|----------|-------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|---------|-----------------------------------------------|---------|-----------|---------|----------|--------------------------------------------------|-------------|-----------|
|                |     |              |              |                                              |          |             |                                                  |                                                  |                                                  |                                                  |                                                  |          |         |                                               |         |           |         | PAGE     | 2                                                | AL HOURS (I | L. S. T.  |
| T              |     |              |              |                                              |          | WET         | BIII B                                           | TEMPE                                            | ATIIDS                                           | DEPR                                             | SSION (                                          | E)       |         |                                               |         |           |         | TOTAL    |                                                  | TOTAL       |           |
| Temp.          | 0   | 1 - 2        | 3 - 4        | 5 - 6                                        | 7 - 8    |             |                                                  |                                                  |                                                  |                                                  |                                                  |          | 23 - 24 | 25 - 26                                       | 27 - 28 | 29 - 30   | ÷ 31    | , ,      | Dry Bulb                                         | Wer Bulb    | Dew P     |
| 6/ 5           | •3  |              | •0           | <del> </del>                                 | <u> </u> |             | 111111                                           | -                                                | <del>                                     </del> | <del> "</del>                                    | ···                                              |          |         |                                               |         |           |         | 62       | 62                                               | 67          | 9         |
| 4/ 3           | .4  |              | •0           |                                              |          |             | }                                                |                                                  | Ì                                                |                                                  | Ì                                                |          |         |                                               | - 1     | i         |         | 105      | 105                                              | 82          | ě         |
| 2/ 1           | .4  |              |              | <u> </u>                                     |          |             | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |                                                  |                                                  |          |         |                                               |         |           |         | 95       | 96                                               | 115         |           |
| 0/ -1          | . 8 |              |              | ]                                            |          | }           | 1                                                |                                                  |                                                  |                                                  | ì                                                |          |         | 1 1                                           | 1       | - 1       |         | 73       | 73                                               | 84          | 1         |
| 2/ -3          | .2  |              |              | i                                            |          |             |                                                  |                                                  |                                                  |                                                  | 1                                                |          |         |                                               |         |           |         | 37       | 37                                               | 42          | 10        |
| 4/ -5          | . 2 |              |              | <u> </u>                                     |          | <u> </u>    | l                                                |                                                  | Ì                                                | <u> </u>                                         | !                                                |          |         | <u>]</u>                                      |         |           |         | 13       | 13                                               | 23          | (         |
| 6/ -7          | . 2 | .0           |              | ļ —                                          |          |             |                                                  |                                                  |                                                  | T                                                |                                                  |          |         |                                               |         |           |         | 13       | 13                                               | 11          | -         |
| 8/ -9          | • 1 |              | L            |                                              |          |             | <u> </u>                                         |                                                  | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         |          |         | <u>L `</u> l                                  |         |           |         | 9        | 9                                                | 11          |           |
| 0/-11          | .3  |              |              |                                              |          |             |                                                  |                                                  |                                                  |                                                  |                                                  |          |         |                                               | 1       |           |         | 20       | 20                                               | 20          |           |
| 2/-13          | 1   |              |              |                                              |          | <u> </u>    | <u> </u>                                         |                                                  |                                                  | <u> </u>                                         |                                                  |          |         |                                               |         |           |         | 5        | 5                                                | 5           |           |
| 4/-15          | . 1 |              |              | l                                            | ļ        |             | 1                                                |                                                  |                                                  | Į.                                               | İ                                                |          |         | 1 1                                           | !       | - 1       |         | 6        | 6                                                | 6           |           |
| 6/-17          | 0   |              | ļ            | <u> </u>                                     |          | <u> </u>    |                                                  |                                                  | <u> </u>                                         | <del> </del>                                     |                                                  |          |         | <del> </del>                                  |         |           |         | 1        | 1                                                | 1           |           |
| 8/-19          | • 1 |              | ļ            | 1                                            |          |             | ļ                                                | •                                                | ļ                                                | 1                                                | ]                                                |          |         |                                               | 1       | - [       |         | 4        | 4                                                | 4           |           |
| 0/-21          | •0  | <del> </del> | <b> </b>     |                                              |          | <u> </u>    | <del> </del> -                                   |                                                  | <del> </del>                                     | <del> </del>                                     |                                                  | <u> </u> |         | <u>  `                                   </u> |         |           |         | 2        | 2                                                | 2           |           |
| 2/-23          |     | ]            | ļ            | 1                                            |          | ļ           |                                                  |                                                  |                                                  | 1                                                | (                                                |          |         |                                               |         | -         |         |          |                                                  | i           |           |
| 24/-25         |     | <del> </del> | <u> </u>     |                                              |          | <b> </b> -  | <del> </del> -                                   | <del> </del>                                     | <del> </del>                                     | ├                                                | <del> </del>                                     |          |         |                                               |         |           |         |          |                                                  | <b> </b>    | <b></b> - |
| 28/-29         |     |              |              |                                              |          |             | 1                                                |                                                  | 1                                                |                                                  | ł                                                |          |         |                                               |         | - 1       | i       |          |                                                  | 1           | Į         |
| 30/-31<br>JTAL | C 6 | 23.9         | 15.1         | 14.4                                         | 11.0     | 10.4        | 6. A                                             | 4.7                                              | 2.2                                              | . 8                                              | .4                                               | • 2      | .1      | •1                                            | •0      |           |         |          | 7193                                             |             | 719       |
| SIME !         |     | 2307         | 1301         | 7.4.4                                        | * * * *  | 1044        | 0.0                                              | 7.4                                              | 2.00                                             | ••                                               | • •                                              | • 6      | ••      | 1                                             | •0      | 1         |         | 7192     | 1275                                             | 7192        | ' • '     |
|                |     | <del> </del> |              | <del> </del>                                 |          |             | <del>                                     </del> |                                                  |                                                  | <del>                                     </del> | <del> </del>                                     |          |         |                                               | †       | -         |         | ****     |                                                  |             |           |
| 1              |     | 1            |              |                                              |          |             | 1                                                |                                                  | 1                                                | 1                                                | 1                                                |          |         | 1 1                                           |         | 1         |         |          |                                                  | į Į         | 1         |
|                |     | i —          |              |                                              |          |             | 1                                                |                                                  | 1                                                |                                                  | <del>                                     </del> |          |         | 1                                             |         |           |         |          |                                                  |             |           |
| 1              |     | l            | Ì            | Ì                                            |          |             | Ì                                                |                                                  | 1                                                | j                                                | 1                                                |          |         | 1 1                                           |         | 1         |         | ľ        |                                                  | )           | Ì         |
|                |     |              | l            |                                              |          |             |                                                  |                                                  |                                                  |                                                  |                                                  |          |         |                                               |         |           |         |          |                                                  |             |           |
|                |     |              | <u> </u>     |                                              |          | <u> </u>    | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         |                                                  | <u> </u>                                         |          |         |                                               |         |           |         |          |                                                  |             |           |
|                |     |              |              |                                              |          |             |                                                  |                                                  |                                                  |                                                  | Ī                                                |          |         |                                               |         |           |         |          |                                                  |             |           |
|                |     | <u> </u>     |              | <u> </u>                                     | <u> </u> | <u> </u>    | ļ                                                |                                                  | <u> </u>                                         |                                                  | <u> </u>                                         |          |         | 1                                             |         |           |         |          |                                                  | L           |           |
|                |     |              |              | ļ                                            | Į        | <b>[</b>    |                                                  | 1                                                |                                                  | }                                                | Į                                                |          |         |                                               |         | į         |         |          |                                                  |             | l         |
|                |     | <u> </u>     | <u> </u>     |                                              | ļ        | <b> </b> -  | <b></b>                                          | ļ                                                | <u> </u>                                         | <del> </del>                                     | <u> </u>                                         |          |         | <b> </b>                                      |         |           |         | <u> </u> |                                                  | <b></b>     | ļ         |
|                |     | ļ            |              | į                                            |          |             | -                                                | l                                                | [                                                |                                                  | ļ                                                |          |         |                                               | Į Į     | l         |         |          |                                                  |             |           |
|                |     | <del> </del> | <del> </del> | ├                                            |          |             | -                                                |                                                  |                                                  | <del> </del>                                     | <b> </b>                                         |          |         |                                               |         |           |         |          |                                                  |             |           |
| }              |     |              | 1            | 1                                            | }        | 1           | Ì                                                | ]                                                | 1                                                |                                                  | 1                                                |          |         |                                               |         | Ì         |         | ] .      |                                                  |             | 1         |
| lement (X)     |     | Ex2          |              | ├                                            | ZX       | <del></del> | X                                                | -                                                | -                                                | No. O                                            | )s.                                              |          |         | لـــــــــــــــــــــــــــــــــــــ        | Mean N  | o, of Hou | rs with | Temperat | lure                                             | i           | <u> </u>  |
| el. Hum.       |     |              | 7386         |                                              | 4228     | 84          |                                                  |                                                  |                                                  |                                                  | 92                                               | ± 0 1    | F       | ≤ 32 F                                        | ≥ 67    |           | 73 F    | > 80 F   | ≥ 93 (                                           | F .         | Total     |
| ry Bulb        |     | 980          | 2183         |                                              | 2433     | 93          | 58.8                                             | 14.7                                             | 58                                               | 71                                               | 93                                               |          |         | 01,6                                          | 1.      |           | • 2     |          | <del>                                     </del> |             | 7         |
| et Bulb        |     |              | 3773         |                                              | 2037     | 99          | 28.3                                             | 11.3                                             | 03                                               |                                                  | 92                                               | 20       | .3 4    | 30,3                                          |         |           | <u></u> |          | <del>- </del>                                    | _           | 7         |
| ew Point       |     | 339          | 3190         | <u>,                                    </u> | 1373     |             | 19.1                                             | 10.3                                             | 54                                               | 71                                               | 92                                               | 48       | . 2 6   | 76.1                                          |         |           |         |          | <del>                                     </del> | $\neg$      | 7         |

0-26-5 (OLA) REVISED MEVIOUS EDITIONS OF THIS FORM

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11

SAFETAC ROSH

### **PSYCHROMETRIC SUMMARY**

| 24112<br>STATION | MALMSTRUM AFB MT/GREAT FALLS  STATION NAME | 67-76 |        | DEC       |
|------------------|--------------------------------------------|-------|--------|-----------|
| 31211011         | JANON MANA                                 | •     | PAGE 1 | 0000-0200 |

|             |         |       |       |       |          |        |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  |            |          | HOURS (  | L. S. T.)            |
|-------------|---------|-------|-------|-------|----------|--------|---------------------------------------|---------------|--------|---------|---------|-----------|---------|--------------|-----------------|--------------------------------------------------|--------------------------------------------------|------------|----------|----------|----------------------|
| Temp        |         |       |       |       |          |        |                                       | TEN PERA      |        |         |         |           |         |              |                 |                                                  |                                                  | TOTAL      |          | TOTAL    |                      |
| (F)         | 0       | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8    | 9 - 10 | 11 - 12                               | 13 - 14 1     | 5 - 16 | 17 - 18 | 19 - 20 | 21 - 22   | 23 - 24 | 25 - 26      | 27 - 28         | 29 - 30                                          | ≥ 31                                             | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew Point            |
| 54/ 53      | `       |       |       |       | . 1      |        |                                       | • 2           |        |         |         |           |         |              | i               |                                                  | ĺ                                                | 3          | 3        |          |                      |
| 52/ 51      |         |       | - 1   | _     | . 2      | • 1    |                                       |               |        |         |         |           |         |              |                 | ļ                                                | 1                                                | 3          | 3        |          |                      |
| 50/ 49      | ĺ       |       |       | •1    | , 3      | • 3    | •1                                    |               |        |         |         |           |         |              |                 |                                                  | 1                                                | 8          | 8        |          | -                    |
| 48/ 47      | į       |       |       | . 1   | . 2      | . 3    | • 2                                   |               |        |         |         |           |         | ļ            |                 |                                                  |                                                  | 8          | 8        |          |                      |
| 46/ 45      |         |       |       | 1.0   |          |        | •9                                    |               |        |         |         |           |         |              |                 |                                                  |                                                  | 39         | 39       | 1        |                      |
| 44/ 43      |         |       | . 1   | 1.3   | 1.7      | 1.1    |                                       |               |        |         |         |           |         | <u> </u>     |                 |                                                  |                                                  | 39         | 39       | 4        |                      |
| 42/ 41      | Ì       |       | • 5   | 1.6   | 2,0      | 9      |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  | 47         | 47       | 7        |                      |
| 40/ 39      |         |       | 1.0   | 1.3   | 1.1      | . 8    | • 2                                   |               |        |         |         |           |         | <u> </u>     | <u> </u>        |                                                  | <u> </u>                                         | 40         | 40       | 18       |                      |
| 38/ 37      |         |       | . 8   | 1.5   | 1.1      | . 9    |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  | 39         | 39       | 44       |                      |
| 36/ 35      | [       | 1     | . 6   | 1.8   | .8       | 2      |                                       |               |        |         |         |           |         |              |                 |                                                  | <u> </u>                                         | 33         | 33       | 60       | 7                    |
| 34/ 33      | - 1     | • 4   | . 4   | 2.8   | • 5      | •1     |                                       |               |        |         |         |           |         | ļ            |                 | 1                                                | 1                                                | 41         | 41       | 46       | 10                   |
| 32/ 31      | . 2     | . 8   | 1.7   | 1.4   | •6       |        |                                       |               |        |         |         |           |         |              | <u> </u>        |                                                  |                                                  | 44         | 44       | 40       | 18<br>33             |
| 30/ 29      | • 1     | • 9   | 2.6   | 1.4   |          |        |                                       | 1             | ļ      |         |         |           |         |              |                 | 1                                                | 1                                                | 48         | 48       | 55       | 33                   |
| 28/ 27      | .4      | 1.0   | 3.0   | • 5   |          |        |                                       |               | !      |         |         |           |         | L            | ļ               | ļ                                                | <u> </u>                                         | 46         | 46       | 79       | 50                   |
| 26/ 25      | - 4     | 1.8   |       | • 3   |          |        |                                       |               |        |         |         |           |         |              |                 |                                                  | 1                                                | 49         | 49       | 50       | 44                   |
| 24/ 23      |         | 2.3   |       |       |          |        |                                       |               |        |         |         | $\square$ |         | <u> </u>     | L               | ļ                                                | ļ                                                | 48         | 48       | 66       | 44<br>37<br>58       |
| 22/ 21      | 4       | 4.2   |       |       |          |        |                                       |               |        |         |         |           |         |              | l               |                                                  |                                                  | 53         | . 53     | 60       | 28                   |
| 20/ 19      | .9      | 3.9   | • 4   |       |          |        |                                       |               |        |         |         |           |         | <u> </u>     | <u> </u>        |                                                  |                                                  | 42         | 42       | 60       | 58                   |
| 18/ 17      |         | 2.5   | -     |       |          |        |                                       |               |        |         |         |           |         |              | l               |                                                  |                                                  | 31         | 31       | 52       | 87<br>60             |
| 16/ 15      |         | 2.5   |       |       |          |        |                                       |               |        |         |         |           |         |              | <b> </b>        | <u> </u>                                         | -                                                | 24         | 24<br>22 | 27       | 74                   |
| 14/ 13      | 1.1     |       | ļ     |       |          |        |                                       | 1             |        |         |         |           |         |              |                 |                                                  |                                                  | 22<br>25   | 25       | 31<br>18 | 72                   |
| 12/ 11      | 1.0     |       |       |       |          |        |                                       |               |        |         |         |           |         |              | <del> </del>    | <del> </del> -                                   | <del> </del>                                     | 30         | 31       | 37       | 68                   |
| 10/ 9 8/ 7  | 1.2     | 2.0   |       |       |          |        |                                       |               |        |         |         | i l       |         | į            |                 |                                                  | 1                                                | 15         | 15       | 17       | 43                   |
| 6/ 5        | .6      | • 5   |       |       |          |        |                                       | <del>  </del> |        |         |         | -         |         | <del> </del> |                 | <del> </del>                                     | 1                                                | 11         | 11       | 15       | 72<br>65<br>43<br>31 |
| 4/ 3        | 1.5     | 1.1   | 1     |       |          |        |                                       |               |        |         |         |           |         | ]            |                 |                                                  |                                                  | 24         | 24       | 16       | 14                   |
| 2/ 1        | •5      | .6    |       |       |          |        |                                       | <del>  </del> |        |         |         |           |         | <del> </del> | <del> </del>    | -                                                | 1                                                | 11         | 11       | 15       | 20                   |
| 0/ -1       | 1.6     | . 2   |       |       |          |        |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  | 17         | 18       | 20       | 16                   |
| -2/ -3      | 1.7     | • 4   |       |       |          |        |                                       | <u> </u>      |        |         |         |           |         | <del> </del> | <u> </u>        |                                                  | <del>                                     </del> | 20         | 21       | 20       | 18                   |
| -4/ -5      | 1.0     | . 1   |       |       |          |        |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  | 10         | 10       | 12       | 10                   |
| -6/ -7      | . 8     |       |       |       |          |        |                                       |               |        |         |         |           |         | <b>†</b>     | † <del></del> - | <del>                                     </del> |                                                  | 7          | 7        | 7        | 8                    |
| -8/ -9      | 9       |       |       |       | <u> </u> |        |                                       |               |        |         |         |           |         | 1            |                 |                                                  |                                                  | 8          | 8        | 8        | 21                   |
| -10/-11     | 1.1     |       |       |       |          |        |                                       |               |        |         |         |           |         |              |                 | <del>                                     </del> | <b></b>                                          | 10         | 10       | 10       | 10                   |
| -12/-13     | - 4     |       |       |       |          | ,      |                                       | 1             |        |         |         |           |         |              |                 |                                                  | 1                                                | 4          | 4        | 4        | 7                    |
| Element (X) | <u></u> | Σχ²   |       |       | ΣX       |        | ₹                                     | ₹ Z           |        | No. Ob  |         |           |         | -            | Mean            | No. of t                                         | lours wit                                        | h Temperat | ure      |          |                      |
| Rel. Hum.   |         |       |       |       |          |        | · · · · · · · · · · · · · · · · · · · |               |        |         |         | ± 0 1     | F :     | ≤ 32 F       | ≥ 67            | F                                                | 2 73 F                                           | ≥ 80 F     | × 93 1   | F        | Total                |
| Dry Bulb    |         |       |       |       |          |        |                                       |               |        |         |         | ,         |         |              |                 |                                                  |                                                  |            |          |          |                      |
| Wet Bulb    |         |       |       |       |          |        |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  |            |          |          |                      |
| Dew Point   |         |       |       |       |          |        |                                       |               |        |         |         |           |         |              |                 |                                                  |                                                  |            |          |          |                      |

REVISED MEYICUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC FOLM C

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTROM AFB

| MA   | LMST                                                    | ROM                                                                                                                      | AFB                                                                           | MT/G                                                                           | REAT                                                                            | FAL                                              | LS                                               |                                                  | <u>67-</u>                               | 76                                               |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  |                                                     | DE                                               | C                  |
|------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|--------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|--------------------|
|      |                                                         |                                                                                                                          | 5                                                                             | TATION N                                                                       | AME                                                                             |                                                  |                                                  |                                                  |                                          |                                                  |                                                  |                                          | YE                                               | ARS                                 |                                     |                                                  |                                                                                                                                  |                                                     |                                                  |                    |
|      |                                                         |                                                                                                                          |                                                                               |                                                                                |                                                                                 |                                                  |                                                  |                                                  |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | PAGI                                                                                                                             | 2                                                   | HOURS (L                                         | -0200<br>L. s. t.) |
|      |                                                         |                                                                                                                          |                                                                               |                                                                                |                                                                                 |                                                  |                                                  |                                                  |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | TOTAL                                                                                                                            |                                                     | TOTAL                                            |                    |
| 0    | 1 - 2                                                   | 3 - 4                                                                                                                    | 5 - 6                                                                         | 7 - 8                                                                          | 9 - 10                                                                          | 11 - 12                                          | 13 - 14                                          | 15 - 16                                          | 17 - 18                                  | 19 - 20                                          | 21 - 22                                          | 23 - 24                                  | 25 - 26                                          | 27 - 28                             | 29 - 30                             | ≥ 31                                             | D.3.W.B.                                                                                                                         | Dry Bulb                                            | Wet Bulb                                         | Dew Po             |
| • 6  |                                                         |                                                                                                                          |                                                                               |                                                                                |                                                                                 |                                                  |                                                  |                                                  | 1                                        |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | 6                                                                                                                                | 6                                                   | 6                                                | 7                  |
| . 5  |                                                         |                                                                                                                          | <u> </u>                                                                      |                                                                                | <u> </u>                                                                        |                                                  |                                                  |                                                  | <u> </u>                                 |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | 5                                                                                                                                | 5                                                   | 5                                                | 12                 |
| • 2  |                                                         |                                                                                                                          |                                                                               | Ī                                                                              |                                                                                 |                                                  |                                                  |                                                  |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | 2                                                                                                                                | 2                                                   | 2                                                | 7                  |
| . 3  |                                                         |                                                                                                                          | <u> </u>                                                                      |                                                                                |                                                                                 |                                                  | ·                                                | <u> </u>                                         |                                          | <u></u>                                          |                                                  |                                          |                                                  |                                     |                                     |                                                  | 3                                                                                                                                | 3                                                   | 3                                                | 6                  |
| . 3  |                                                         | 1                                                                                                                        |                                                                               | 1                                                                              | 1                                                                               | 1                                                |                                                  |                                                  | 1                                        | 1                                                |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  |                                                     | 3                                                | 7                  |
| ,3   |                                                         |                                                                                                                          | <u> </u>                                                                      |                                                                                | <u> </u>                                                                        | i                                                |                                                  |                                                  | ļ                                        |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  | 3                                                   | 3                                                |                    |
| - 1  |                                                         | 1                                                                                                                        | ļ                                                                             |                                                                                | 1                                                                               | 1                                                |                                                  |                                                  |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  | 1                                                   | 1                                                | •                  |
| • 1  |                                                         | ļ                                                                                                                        | <u> </u>                                                                      | <del> </del>                                                                   | <b>└</b>                                                                        | <u> </u>                                         |                                                  |                                                  | ↓                                        |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | 1                                                                                                                                | 1                                                   | 1                                                |                    |
|      |                                                         |                                                                                                                          | İ                                                                             | Ì                                                                              |                                                                                 | 1                                                |                                                  |                                                  |                                          |                                                  |                                                  |                                          |                                                  | 1                                   |                                     |                                                  |                                                                                                                                  | '                                                   |                                                  |                    |
| 1    |                                                         | ļ                                                                                                                        | <b>↓</b>                                                                      | <u> </u>                                                                       | <del> </del>                                                                    | <u> </u>                                         | <u> </u>                                         |                                                  | ↓                                        | ļ                                                |                                                  |                                          | ·                                                |                                     |                                     |                                                  | 1                                                                                                                                | 1                                                   | 1                                                |                    |
|      |                                                         | ĺ                                                                                                                        |                                                                               | 1                                                                              | 1                                                                               | }                                                |                                                  |                                                  | 1                                        |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  | .                                                   |                                                  | -                  |
| -1   |                                                         | ļ                                                                                                                        | -                                                                             | <del> </del>                                                                   | <del> </del>                                                                    | ļ                                                | <b> </b>                                         |                                                  | <del> </del>                             |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  |                                                     | 1                                                |                    |
| • 2  |                                                         |                                                                                                                          |                                                                               | 1                                                                              |                                                                                 | j i                                              | ]                                                |                                                  | 1                                        | }                                                |                                                  |                                          |                                                  |                                     |                                     |                                                  | 2                                                                                                                                | 2                                                   | 2                                                |                    |
|      |                                                         |                                                                                                                          | J-=                                                                           |                                                                                | <del>  </del>                                                                   |                                                  | <u> </u>                                         | <u> </u>                                         | ——                                       |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  | - 030                                               |                                                  | 92                 |
| 20.3 | 29.1                                                    | 17.8                                                                                                                     | 12.5                                                                          | 10.9                                                                           | 201                                                                             | 1.4                                              | . 2                                              | l                                                |                                          | 1                                                |                                                  |                                          |                                                  | ŀ                                   |                                     |                                                  |                                                                                                                                  | 930                                                 | 907                                              | 72                 |
|      |                                                         | ļ                                                                                                                        | · <del> </del>                                                                | <del> </del>                                                                   | <del> </del>                                                                    |                                                  | <b>├</b> -                                       | <del> </del>                                     | - <del> </del>                           | <del> </del>                                     |                                                  |                                          | <del>                                     </del> |                                     |                                     |                                                  | 1921                                                                                                                             | ļ                                                   | 727                                              |                    |
| ļ    |                                                         |                                                                                                                          | ļ                                                                             |                                                                                |                                                                                 | }                                                |                                                  |                                                  |                                          |                                                  |                                                  |                                          | i i                                              |                                     |                                     |                                                  |                                                                                                                                  |                                                     | i                                                |                    |
|      |                                                         | ļ                                                                                                                        | <del> </del> -                                                                |                                                                                | <del> </del>                                                                    | <del> </del>                                     | ļ                                                | <del> </del>                                     | <del> </del>                             | <del> </del>                                     |                                                  |                                          | <del> </del>                                     |                                     |                                     |                                                  | <del> </del>                                                                                                                     | <b></b> _                                           | <del> </del>                                     |                    |
|      |                                                         |                                                                                                                          | 1                                                                             |                                                                                | i                                                                               |                                                  | 1                                                |                                                  |                                          |                                                  |                                                  |                                          |                                                  | }                                   |                                     |                                                  |                                                                                                                                  |                                                     |                                                  |                    |
|      |                                                         | <del> </del> -                                                                                                           | <del> </del>                                                                  | <del> </del>                                                                   | <del> </del>                                                                    |                                                  | <del> </del>                                     | <del>                                     </del> | ┼──                                      |                                                  | 8                                                |                                          |                                                  |                                     |                                     |                                                  | <del> </del>                                                                                                                     | <del></del>                                         | <del></del>                                      |                    |
|      |                                                         | ļ                                                                                                                        | 1                                                                             |                                                                                |                                                                                 |                                                  |                                                  |                                                  | 1                                        | ŀ                                                |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  | '                                                   |                                                  |                    |
|      |                                                         | <del> </del> -                                                                                                           | <del> </del>                                                                  | <del> </del>                                                                   | ┼──                                                                             | <del> </del>                                     | <del> </del>                                     |                                                  | <del> </del>                             | <del> </del>                                     |                                                  |                                          |                                                  | <del></del>                         |                                     |                                                  | <del>                                     </del>                                                                                 | <del>                                     </del>    | <del>                                     </del> |                    |
|      |                                                         |                                                                                                                          |                                                                               | ]                                                                              |                                                                                 | }                                                |                                                  |                                                  | 1                                        |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | 1                                                                                                                                | '                                                   | 1                                                |                    |
|      | <del> </del>                                            | <del> </del>                                                                                                             | <del> </del>                                                                  | <del> </del>                                                                   | <del> </del>                                                                    | <del> </del>                                     | <del> </del>                                     | <del> </del> -                                   | +                                        | <del> </del>                                     |                                                  |                                          |                                                  |                                     |                                     |                                                  | <del> </del>                                                                                                                     |                                                     |                                                  |                    |
|      |                                                         | 1                                                                                                                        | İ                                                                             |                                                                                | 1                                                                               | 1                                                | '                                                |                                                  |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     | ĺ                                                |                                                                                                                                  | 1                                                   |                                                  |                    |
|      |                                                         | ┧───                                                                                                                     | <del>                                     </del>                              | <del>                                     </del>                               | <del> </del>                                                                    | <del></del> -                                    | <del> </del>                                     | <del></del>                                      | <del> </del>                             | <del> </del>                                     |                                                  |                                          | <del></del>                                      |                                     |                                     | <del>                                     </del> | <del></del>                                                                                                                      |                                                     | <del>                                     </del> |                    |
| ŀ    |                                                         | i                                                                                                                        |                                                                               |                                                                                |                                                                                 |                                                  | '                                                |                                                  |                                          | 1                                                | l j                                              |                                          |                                                  |                                     |                                     | [                                                | ł                                                                                                                                | 1                                                   |                                                  |                    |
|      |                                                         | <del> </del>                                                                                                             | <del>                                     </del>                              | 1                                                                              | +                                                                               | <del> </del>                                     | $\vdash$                                         | <del></del>                                      | 1                                        | <del>                                     </del> |                                                  |                                          |                                                  |                                     |                                     | -                                                |                                                                                                                                  |                                                     |                                                  |                    |
|      |                                                         | 1                                                                                                                        | l                                                                             | 1                                                                              |                                                                                 | •                                                |                                                  |                                                  |                                          | 1                                                |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  |                                                     |                                                  |                    |
|      |                                                         | <del> </del>                                                                                                             | <del> </del>                                                                  | <del> </del>                                                                   | <del> </del>                                                                    | <del>                                     </del> | <del></del>                                      | <del>                                     </del> | +                                        | <del></del>                                      |                                                  |                                          |                                                  |                                     |                                     |                                                  | <del> </del>                                                                                                                     | <b></b>                                             |                                                  |                    |
|      |                                                         |                                                                                                                          | 1                                                                             |                                                                                |                                                                                 | 1                                                | 1                                                |                                                  |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  |                                                     |                                                  |                    |
|      | <u> </u>                                                | <del>                                     </del>                                                                         | <del>                                     </del>                              | <del>                                     </del>                               | 1                                                                               | 1                                                | <del>                                     </del> | <del>                                     </del> | +                                        | <del>                                     </del> | <del>                                     </del> |                                          | 1                                                |                                     |                                     | -                                                | <del> </del>                                                                                                                     | <del>                                     </del>    |                                                  |                    |
|      | 1                                                       |                                                                                                                          | j                                                                             |                                                                                |                                                                                 |                                                  |                                                  |                                                  | 1 .                                      | 1                                                |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  |                                                     | 1                                                |                    |
|      | Z X2                                                    | <del>,</del>                                                                                                             |                                                                               | Σχ                                                                             | <del></del>                                                                     | <del>'</del> 🖁                                   | 1                                                |                                                  | No. Ol                                   | s.                                               | <u></u>                                          |                                          |                                                  | Mean N                              | o. of He                            | ours wit                                         | h Tempera                                                                                                                        | ture                                                |                                                  |                    |
|      |                                                         | 5364                                                                                                                     | ,                                                                             | 606                                                                            | 48                                                                              | 65.4                                             |                                                  |                                                  | 9                                        | 27                                               | ± 0 F                                            |                                          | 1 32 F                                           |                                     |                                     |                                                  | ≥ 80 F                                                                                                                           |                                                     | F 1                                              | Total              |
|      |                                                         |                                                                                                                          |                                                                               | 215                                                                            | 65                                                                              | 23.2                                             | 16.7                                             | 06                                               | 9                                        | 30                                               |                                                  |                                          |                                                  |                                     |                                     |                                                  |                                                                                                                                  | 1                                                   | $\neg$                                           | 9;                 |
|      |                                                         |                                                                                                                          |                                                                               | 184                                                                            | 83                                                                              | 19.9                                             | 14.3                                             | 85                                               |                                          |                                                  |                                                  |                                          |                                                  |                                     |                                     |                                                  | 1                                                                                                                                | 1                                                   |                                                  | 9                  |
|      |                                                         | 5547                                                                                                                     |                                                                               | 111                                                                            | 130                                                                             | 12.4                                             | 12.6                                             | 28                                               |                                          | 27                                               |                                                  |                                          | 91.3                                             |                                     | -                                   |                                                  | <del>                                     </del>                                                                                 | _                                                   | $\neg$                                           | 9                  |
|      | 0<br>.6<br>.5<br>.2<br>.3<br>.3<br>.3<br>.1<br>.1<br>.1 | 0 1 · 2 · 6 · 5 · 2 · 3 · 3 · 3 · 3 · 1 · 1 · 1 · 1 · 1 · 2 · 2 · 20 · 3 2 9 · 1 · 2 · 2 · 2 · 3 · 3 · 3 · 3 · 3 · 3 · 3 | 0 1.2 3.4<br>.6 .5<br>.2 .3<br>.3 .3<br>.1 .1<br>.1 .1<br>.2 .2 .20.329.117.8 | 20.329.117.815.2  20.329.117.815.2  21.32.32.32.32.32.32.32.33.33.33.33.33.33. | 0 1 · 2 3 · 4 5 · 6 7 · 8 · 6 · 5 · 2 2 · 3 · 3 · 3 · 3 · 3 · 3 · 1 · 1 · 1 · 1 | STATION NAME  WET  O 1-2 3-4 5-6 7-8 9-10        | *** STATION NAME    WET BULB   O                 | *** TATION HAME    WET BULB TEMPER   O           | ### STATION NAME    WET BULB TEMPERATURE | ### BULB TEMPERATURE DEPRIOR                     | ### BULB TEMPERATURE DEPRESSION (   0            | ### BULB TEMPERATURE DEPRESSION (F)    0 | STATION NAME                                     | VET BULB TEMPERATURE DEPRESSION (F) | WET BULB TEMPERATURE DEPRESSION (F) | WET BULB TEMPERATURE DEPRESSION (F)    0         | WET BULB TEMPERATURE DEPRESSION (F)  0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 *31  0 5 | PAGE  WET BULB TEMPERATURE DEPRESSION (F)  TOTAL  0 | PAGE 2    WET BULB TEMPERATURE DEPRESSION (F)    | STATION NAME       |

DATA PRUCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

24112 MALMSTRUM AFB

STATION

### PSYCHROMETRIC SUMMARY

DEC MALMSTRUM AFB MT/GREAT FALLS
STATION NAME 67-76 YEARS 0300-0500 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp D.B./W.B. Dry Bulb Wet Bulb Dew Point 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 (F) 1-2 3-4 5-6 7 - 8 54/ 53 5 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 47 47 11 42/ 41 1.5 .3 40 40 13 40/ 39 41 37 41 1.9 38/ 37 1.0 49 41 41 2.6 36/ 35 1.0 30 30 52 34/ 33 .3 2.2 46 57 20 46 1.7 32/ 31 36 40 47 40 . 4 30/ 29 1.3 2.2 51 1.5 51 70 28/ 27 51 51 55 2.1 2.5 • 5 26/ 25 58 58 60 3.4 24/ 23 50 50 68 22/ 21 3.8 43 43 65 61 19 3.6 20/ • 6 20 20 44 18/ 17 1.4 19 36 25 28 25 2.3 16/ 52 28 2.2 13 14/ 19 22 12/ 51 38 38 36 10/ 9 1.9 2.2 16 51 16 24 1.0 8/ 7 12 33 11 6/ 10 1.0 4/ 3 18 14 2/ 1 • 6 16 0/ -1 19 13 20 -2/-31.4 9 9 14 10 ~4/ 11 11 11 -6/ -7 1.2 20 20 20 -8/ -9 -10/-11 -12/-13 Mean No. of Hours with Temperature No. Obs. Element (X) 10 F ± 32 F Rel. Hum. Dry Bulb

TAC FORM 0.26

Wet Bulb Dew Point

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T.

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MALMSTRUM AFB MT/GREAT FALLS
STATION NAME DEC 67-76 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 16 2 -14/-15 -16/-17 -18/-19 5 12 3 3 3 .4 4 4 4 -20/-21 4 -22/-23 -24/-25 -26/-27 5 2 5 5 . 5 .4 4 2 2 2 5 -28/-29 -30/-31 -32/-33 -34/-35 2 6 -38/-39 -40/-41 2 2 -44/-45 -46/-47 -50/-51 930 925 TOTAL 20.830.317.716.3 9.0 3.7 925 925 No. Obs. Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F 60819 21011 65.815.520 22.617.009 Rel. Hum. 4221419 743451 925 4 0 F ≤ 32 F 64.3 Dry Bulb 930 11.6 93 18008 19.514.756 12.114.190 Wet Buib 551764 925 12.0 76.1 Dew Point 11159 925 15.8 91.5 320677 

- Mar Spares Company

FOEM 0.26-5 (OLA)

### **PSYCHROMETRIC SUMMARY**

24112 MALMSTROM AFB MT/GREAT FALLS 67-76

PAGE 1 0600-0800

ROURS (L. S. T.)

Temp WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

|             |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                               |                                               |               |          |             |          |          |          |                                              |          |          |            |          | HOURS (L | ., S. T.)                 |
|-------------|-----|-------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------|----------|-------------|----------|----------|----------|----------------------------------------------|----------|----------|------------|----------|----------|---------------------------|
| Temp        |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                               | TEMPER                                        |               |          |             |          |          |          |                                              |          |          | TOTAL      |          | TOTAL    |                           |
| (F)         | 0   | 1 - 2 | 3 - 4                                         | 5 - 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7 - 8                                        |                                              |                                               |                                               | 15 - 16       | 17 - 18  | 19 - 20     | 21 - 22  | 23 - 24  | 25 - 26  | 27 - 28                                      | 29 - 30  | ≥ 31     | D.B./W.B.  | Dry Bulb | Wet Bulb | Dew Point                 |
| 54/ 53      |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,                                            | • 3                                          |                                               | .2                                            | <u> </u>      | T        | 1           |          |          |          |                                              |          |          | 7          | 7        |          |                           |
| 52/ 51      |     | 1     | , [                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | i _1                                         | • 1                                          |                                               | .1                                            | 1             | -        |             |          | 1        |          |                                              | , ,      | •        | 3          | 3        |          |                           |
| 507 49      | i   |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,2                                           | • 1                                          | ,                                             | .2                                            |               | 1        | T-          |          |          |          |                                              |          |          | 5          | 5        |          |                           |
| 48/ 47      | 1   |       | ı                                             | . 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | .3                                           | .4                                           | .4                                            |                                               | į             | L        | l           |          |          | _        |                                              | _ '      |          | 12         | 12       |          |                           |
| 46/ 45      |     |       |                                               | .9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.1                                          | - •4                                         | .6                                            |                                               |               | T        |             |          |          |          |                                              |          |          | 28         | 28       |          |                           |
| 44/ 43      |     |       |                                               | .8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.3                                          | • 4                                          | . 8                                           |                                               | i             |          | l           |          |          | i        |                                              | l'       |          | 30         | 30       | 3        |                           |
| 42/ 41      |     |       | • 2                                           | 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.5                                          | • 3                                          | .2                                            |                                               |               |          |             |          |          |          |                                              |          |          | 32         | 32       | 10       |                           |
| 40/ 39      |     | . 3   | 1.6                                           | 1.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2,6                                          | • 2                                          | • 1                                           | <u>                                     </u>  | i             | <u> </u> | 1           | L!       |          | <u> </u> | ]                                            | l'       |          | 61         | 61       | 16       |                           |
| 38/ 37      |     | • 1   | •6                                            | 2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | • ₿                                          | • 3                                          |                                               |                                               |               |          | T           |          |          |          |                                              |          |          | 37         | 37       | 30       |                           |
| 26/ 35      | • 1 |       | •9                                            | 1.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.3                                          |                                              | L'                                            | 11                                            | l             | 1        | 1           | <u> </u> |          | <u> </u> | <u> </u>                                     | l        |          | 39         | 39       | 44       | 3                         |
| 34/ 33      |     | • 2   | 1.1                                           | 2.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | .8                                           |                                              | ,                                             | 1                                             |               | T        | 1           |          |          |          |                                              |          |          | -44        | 44       | 62       | 13                        |
| 32/ 31      | 1   | 1.3   | 1.8                                           | 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | • 1                                          | l'                                            | i'                                            | l             | <u></u>  | <u></u>     |          |          | ļ        | <u> </u>                                     |          |          | 39         | 39       | 61       | 14                        |
| 30/ 29      |     | • 9   | 2.9                                           | 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                                              |                                               | ,                                             |               | $\Box$   | T           |          |          |          |                                              |          |          | 48         | 48       | 53       | 33                        |
| 28/ 27      | . 3 | 3.0   | 2.4                                           | • 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | <u> </u>                                     | <b>.</b> '                                    | <u>                                     </u>  | L             |          | 1           | 11       |          | ļ!       |                                              | ļ        |          | _ 55       | 55       | 76       | 42                        |
| 26/ 25      | .2  | 1.5   | 1.9                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | , ,                                          |                                              | · ·                                           | <u></u> ,                                     |               | T        | T           |          |          |          |                                              |          |          | 34         | 34       | 61       | 49                        |
| 24/ 23      | . 6 |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ι'                                           | <u> </u>                                     | Í'                                            | <u>                                      </u> | <u></u>       |          | <u> </u>    |          | <u> </u> |          |                                              | <b> </b> | l        | _50        | 50       | 54       | 40                        |
| 22/ 21      | . 5 | 2.4   | 1.4                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,                                            | í                                            |                                               | [ <u>'</u>                                    |               |          | T           |          |          |          |                                              |          |          | 40         | 40       | 52       | 89                        |
| 20/ 19      | . 3 | 3.9   | .4                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | !!                                           | <b> </b> !                                   | l'                                            | l'                                            | l             |          |             |          |          | !        |                                              |          |          | 43         | 43       | 49       | 59                        |
| 18/ 17      | .5  | 3.2   | .5                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,                                            | <u> </u>                                     | [                                             | ļ,                                            | <u> </u>      | T        | T           |          |          |          |                                              |          |          | 40         | 40       | 45       | 59                        |
| 16/ 15      | . 4 | 1.9   | • 2                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | L'                                           | <u> '</u>                                    | <u>                                      </u> | <u> '</u>                                     | <u> </u>      |          |             | <u> </u> |          |          |                                              |          |          | 24         | 24       | 41       | 70                        |
| 14/ 13      | 1.3 | 1.7   |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,                                            | [ '                                          |                                               | ,                                             | $\overline{}$ | T        |             |          |          |          |                                              |          |          | 28         | 28       | 36       | 64                        |
| 12/ 11      | .6  | . 4   | . 1                                           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | L'                                           | <u>  '</u>                                   | <u> </u>                                      | <u>      '</u>                                |               | <u> </u> | 1           | <u> </u> | <u></u>  |          | <u> </u>                                     |          |          | 11         | 12       | 13       | 81                        |
| 10/ 9       | 1.9 |       |                                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | ſ <u></u>                                    | [                                             | <u>Γ</u>                                      |               | T        | T           |          |          | 1.       |                                              |          |          | 41         | 41       | 35       | 47.                       |
| 8/ 7        | 1.3 |       |                                               | <u>i</u> J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>                                     </u> | <u>                                     </u> | <u> </u>                                      | <u> </u>                                      | İ             |          |             |          |          | <u> </u> | <u>                                     </u> |          |          | 22         | 22       | 28       | 41                        |
| 6/ 5        | .6  | • 4   |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              | <u> </u>                                     |                                               |                                               |               | T        | T           |          |          | [        |                                              |          |          | 10         | 10       | 11       | 22                        |
| 4/ 3        | 1.2 | . 6   |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | !                                            | <u> </u> '                                   | <u> </u> '                                    | <u> </u> '                                    | <u> </u>      | <u> </u> |             |          |          |          | <u>                                     </u> |          |          | 17         | 17       | 18       | 25                        |
| 2/ 1        | . 4 | 1.4   | [ ]                                           | <u>}</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | · '                                          | ſ ,                                          |                                               | Γ '                                           |               | T        | T           |          |          | [ ·      |                                              |          |          | 17         | 18       | 10       | 25<br>15<br>23<br>12<br>7 |
| 0/ -1       | 1.6 |       |                                               | oxdot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u></u> '                                    | ′                                            | <u> </u>                                      | <u> </u>                                      | <u></u>       |          |             | <u> </u> | <u> </u> | i        |                                              |          |          | 17         | 17       | 24       | 23                        |
| -2/ -3      | 1.2 | .4    | 1                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | [ ·                                          | ſ <i>'</i>                                   |                                               | <u></u>                                       |               | T        | T           |          |          |          |                                              |          |          | 15         | 15       | 16       | 12                        |
| -4/ -5      | 1.1 |       | <u> </u>                                      | oxdot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ĺ'                                           | <u> </u>                                     | <u></u> _                                     | <u> </u>                                      | <u></u>       |          |             |          | L        |          |                                              | <u> </u> | <u> </u> | 10         | 10       | 11       |                           |
| -6/ -7      | 1.7 |       | [ ·                                           | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | [ '                                          | ſ '                                          |                                               |                                               |               |          | 1           | T        |          |          |                                              |          |          | 16         | 16       | 16       | 17<br>13                  |
| -8/ -9      | 1.5 | 1     | !                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u> </u>                                     | <u>  . `'</u>                                | <u>                                      </u> | <u>  '</u>                                    | <u></u>       | <u> </u> | <u>L_</u> _ |          |          |          | <u>i</u>                                     |          |          | 15         | 15       | 15       | 13                        |
| -10/-11     | .4  |       | [ ]                                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\Gamma^{-}$ '                               | [ '                                          | Γ .                                           | <u>'</u>                                      | Г             | T        | T           |          |          |          |                                              |          |          | 4          | 4        | 4        | 13                        |
| -12/-13     | . 3 |       | <u>                                      </u> | <u>                                      </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u> </u>                                     | <u>1'</u>                                    | <u>L</u>                                      | <u>                                     </u>  |               | <u> </u> | ļ           | <u> </u> |          |          | <u> </u>                                     |          | <u> </u> | 3          | 3        | 3        | 13                        |
| Element (X) |     | ZXI   |                                               | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | z x                                          |                                              | X                                             | <b>σ</b> <sub>R</sub>                         |               | No. O    | bs.         |          |          |          | Mean M                                       | No. of H | ours wit | h Temperat | ture     |          |                           |
| Rel. Hum.   |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                               |                                               |               |          |             | ± 0 ∣    | F .      | ≤ 32 F   | ≥ 67                                         | F 2      | 73 F     | ≥ 80 F     | ≥ 93 F   | ; 1      | let 1                     |
| Dry Bulb    |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                               |                                               |               |          |             |          |          |          |                                              |          |          | Ι          | 1        |          |                           |
| Wet Bulb    |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                               |                                               |               |          |             |          |          |          |                                              |          |          | <u> </u>   | <u> </u> |          |                           |
| Dew Point   |     |       |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                               |                                               |               |          |             |          |          |          |                                              |          |          |            |          |          |                           |

### **PSYCHROMETRIC SUMMARY**

Z4112 MALMSTROM AFB MT/GREAT FALLS 67-76

STATION STATION NAME

PAGE 2 0600-0800

HOURS (L. S. T.)

|             |            |       |           |       |       |               | •               |             |              |               |         |                                                  |         |                                                  |                 |                 |                   |                                                  |                                        | HOURS (     | L. S. T.) |  |
|-------------|------------|-------|-----------|-------|-------|---------------|-----------------|-------------|--------------|---------------|---------|--------------------------------------------------|---------|--------------------------------------------------|-----------------|-----------------|-------------------|--------------------------------------------------|----------------------------------------|-------------|-----------|--|
| Temp        |            |       |           |       |       |               |                 | TEMPER      |              |               |         |                                                  |         |                                                  |                 |                 |                   | TOTAL                                            |                                        | TOTAL       |           |  |
| (F)         | 0          | 1 - 2 | 3 - 4     | 5 - 6 | 7 - 8 | 9 - 10        | 11 - 12         | 13 - 14     | 15 - 16      | 17 - 18       | 19 - 20 | 21 - 22                                          | 23 - 24 | 25 - 26                                          | 27 - 28 2       | 9 - 30          | ≥ 31              | D.B./W.B.                                        | Dry Bulb                               | Wet Bulb    | Dew Po    |  |
| -14/-15     | . 4        |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  |                 |                 |                   | 4                                                | 4                                      | 4           | 15        |  |
| -16/-17     | . 1        |       |           |       |       |               | ļ               |             |              |               | ļ       |                                                  |         | 1                                                |                 | 1               |                   | 1                                                | 1                                      | 1           | 10        |  |
| -18/-19     | . 8        |       |           |       |       |               |                 |             |              |               |         |                                                  |         | <del> </del>                                     |                 |                 |                   | 7                                                | 7                                      | 7           | 3         |  |
| -20/-21     | . 3        |       |           |       |       |               | ļ               | l           |              |               |         |                                                  |         |                                                  | 1               |                 |                   | 3                                                | 3                                      | 3           | 7         |  |
| -22/-23     | •2         |       |           |       |       | -:            |                 |             |              |               |         | 1                                                |         | <del> </del>                                     | i               |                 |                   | 2                                                | 2                                      | 2           | 1         |  |
| 24/-25      | •6         |       | ŀ         |       |       |               | Į,              |             |              |               |         |                                                  |         | 1                                                |                 | Ì               |                   | 6                                                | 6                                      | 6           | 6         |  |
| -26/-27     | •1         |       |           |       |       |               |                 |             |              |               |         |                                                  |         | ╅───                                             | <del>  </del> - |                 |                   | 1                                                |                                        |             | 9         |  |
| -28/-29     | .1         |       | •         |       |       | i             |                 |             |              |               |         |                                                  |         | 1                                                |                 | - 1             |                   | î                                                | î                                      | 1           | •         |  |
| -30/-31     | •2         |       |           |       |       |               |                 |             |              |               |         |                                                  |         | <del> </del>                                     | <del></del>     |                 |                   | 2                                                | 2                                      | 2           | 3         |  |
| -32/-33     | • 4        |       |           |       |       | 1             | t '             |             |              |               |         |                                                  |         | ĺ                                                |                 | }               |                   | [                                                | -                                      | 2           |           |  |
| -34/-35     |            |       |           |       |       |               |                 | <del></del> |              |               |         | ├─┤                                              |         | <del> </del>                                     | <del>  </del> - |                 |                   |                                                  |                                        | <del></del> | 4         |  |
| -36/-37     | 1          |       |           |       |       |               |                 |             | *            |               |         |                                                  |         |                                                  | 1 1             |                 |                   |                                                  | ,                                      |             |           |  |
| -38/-39     | <u>• 1</u> |       |           |       |       |               |                 | <u> </u>    |              |               |         | <del>                                     </del> |         | <del> </del>                                     | <del>  </del> - |                 |                   | 1                                                | 1                                      |             | 3         |  |
|             | • 1        |       |           |       |       | ļ ļ           |                 |             |              |               |         |                                                  |         | 1                                                |                 |                 |                   | 1                                                | 1                                      | 1           | 1         |  |
| -40/-41     | <u>• 1</u> |       |           |       |       |               |                 |             |              |               |         |                                                  |         | <u> </u>                                         | <u>  </u> -     |                 |                   | 1                                                | 1                                      | 1           |           |  |
| -42/-43     | • 1        |       |           |       |       |               | ľ               |             |              |               |         | i l                                              |         |                                                  |                 | 1               |                   | 1                                                | 1                                      | 1           |           |  |
| -44/-45     |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  | <b>  </b> -     |                 |                   | ļ                                                |                                        |             |           |  |
| -46/-47     |            |       |           |       |       |               |                 |             |              |               |         | i                                                |         |                                                  |                 | 1               |                   |                                                  |                                        |             | 1         |  |
| -50/-51     |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  |                 |                 |                   |                                                  |                                        |             |           |  |
| TUTAL       | 21.8       | 30.9  | 17.6      | 13.9  | 10.0  | 2 . 8         | 2.5             | . 5         | j            |               | ĺ       | j                                                |         | 1                                                | ] ]             | Ì               |                   |                                                  | 930                                    |             | 928       |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  |                 |                 |                   | .928                                             |                                        | 928         |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         | 1                                                | i I             | - 1             |                   |                                                  |                                        |             |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         | <u> </u>                                         | LI              |                 |                   |                                                  |                                        |             |           |  |
| 1           |            |       |           |       |       |               | 1               |             |              |               |         | 1 1                                              |         |                                                  |                 |                 |                   |                                                  |                                        |             |           |  |
|             |            |       |           |       |       |               |                 | i           |              |               |         | <u> </u>                                         |         | l                                                |                 |                 |                   | 1                                                |                                        |             |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  |                 |                 |                   |                                                  |                                        |             |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         | 1 1                                              |         | }                                                |                 | - 1             |                   | 1                                                |                                        |             |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  |                 |                 |                   |                                                  |                                        |             |           |  |
| {           |            |       |           |       |       | }             |                 |             |              |               |         | 1 1                                              |         |                                                  |                 | - 1             |                   | į į                                              |                                        |             |           |  |
| i           |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         |                                                  | -               |                 |                   |                                                  |                                        |             |           |  |
| ļ           |            |       |           |       |       |               |                 |             |              |               |         | 1 1                                              |         |                                                  |                 | -               |                   | }                                                |                                        |             |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         | <del>                                     </del> | <del></del>     |                 |                   | l                                                |                                        |             |           |  |
| ļ           |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         | 1                                                |                 |                 |                   |                                                  |                                        |             |           |  |
|             |            |       |           |       |       |               |                 |             |              |               |         |                                                  |         | <del> </del>                                     | <del>  -</del>  |                 |                   | <del>                                     </del> |                                        |             |           |  |
| ļ           |            |       |           |       |       | !             |                 |             |              |               |         | j                                                |         |                                                  |                 | - 1             |                   | }                                                |                                        |             |           |  |
| Element (X) |            | Z X 2 | <b>——</b> |       | z x   |               | X               | - F         |              | No. Ob        | 4.      | لــــــل                                         |         | ــــــ                                           | Mean No         | of Ho           | ure will          | Temperat                                         |                                        |             |           |  |
| Rel. Hum.   |            |       | 2306      | 61240 |       | 40            |                 | 15.7        | 86           |               | 28      | ± 0 F                                            |         |                                                  |                 |                 | ours with Tempera |                                                  | ≥ 93 F                                 | : 1         | Total     |  |
| Dry Bulb    |            | 74    | 1556      |       | 209   | 70            | <del>22.5</del> | 17.0        | <del>7</del> |               | 30      | 11                                               |         | 63.2                                             |                 | <del>- </del> - | , , , ,           | - 00 5                                           | + 2 73 7                               | <del></del> | 93        |  |
| Wet Bulb    |            |       | 0188      |       | 180   | <del>66</del> | 70.4            | 14.7        | 18           | <del></del> 6 | 28      | 12                                               | -       | 76.5                                             | l               |                 |                   | <del> </del>                                     | +                                      |             | 9         |  |
| Dew Point   |            | 22    | 1399      |       | 111   |               |                 | 14.2        |              |               | 28      | 16                                               |         | 91,4                                             |                 |                 |                   | <del> </del>                                     |                                        |             | 93        |  |
| Dew Foint   |            | - 36  | 1377      | L     | 111   | <u> </u>      | 12.00           | 1706        | <u> </u>     |               | 20      | 10                                               | - 4     | 7194                                             |                 |                 |                   | <u> </u>                                         | ــــــــــــــــــــــــــــــــــــــ |             | 73        |  |

MALMSTROM AFB MT/GREAT FALLS

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

≥ 93 F

≥67 F ≥ 73 F ≥ 50 F

0900-1100 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 D.B. W.B. Dry Bulb Wet Bulb Dew Point 58/ 57 56/ 55 .2 •1 8 8 54/ 53 12 12 •4 .4 • 5 14 50/ 49 26 48/ 47 26 46/ 45 , 8 43 43 .2 1.0 1.1 38 .6 1.2 1..7 38 44/ 43 1.4 2.0 48 48 42/ 41 • 5 1.0 . 2 21 39 42 42 28 40/ 38/ 37 • 3 40 40 38 2.2 1.3 <u>51</u> 77 2.8 1.9 51 36/ 35 . 8 .2 1.5 2.9 1.0 1.2 1.7 2.6 .2 52 52 8 34/ 33 53 53 57 32/ 31 1.3 2.3 2.4 1.9 30/ 29 1.2 46 46 89 43 1.9 <u>67</u> 46 48 48 28/ 27 •8 .5 2.3 1.6 49 44 70 25 26/ 1.9 39 39 58 24/ 23 1.3 .6 1.3 1.0 2.9 .6 22/ 21 27 27 48 83 33 87 33 26 20/ 19 .4 1.2 .5 2.2 .6 1.3 .4 1.2 17 19 67 18 32 18/ . 3 27 72 15 26 32 16/ 14/ 13 19 19 66 26 64 12/ 16 15 16 42 1.0 24 24 21 10/ 1.6 <u>36</u> 25 25 8/ 1.8 26 17 23 9 18 5 6/ 3 19 19 9 4/ 21 3 2/ 1 • 1 3 12 13 0/ -1<del>13</del> 7 15 15 .6 -2/ -3 1.0 10 -4/ -5 6 8 . 1 -6/ -7 -8 8 8 16 -8/ -9

**≤ 0 F** 

1 32 F

67-76

REVISED MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0.26-5 (OL

Element (X)

Rel. Hum.
Dry Bulb
Wet Bulb
Dew Point

a

#### **PSYCHROMETRIC SUMMARY**

and the second

MALNSTRUM AFB MT/GREAT FALLS 67-76 DEC YEARS MOUTH PAGE 2 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) D.B./W.B. Dry Buib Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 29 29 - 30 231 -10/-11 9 9 13 1.0 -12/-13 -14/-15 -16/-17 -18/-19 2 4 5 • 2 2 5 3 5 -20/-21 3 6 -22/-23 -24/-25 -26/-27 2 • 3 3 2 -28/-29 -30/-31 -32/-33 -34/-35 2 -36/-37 -38/-39 -40/-41 -44/-45 -46/-47 -48/-49 930 928 16.925.915.217.211.9 6.3 TOTAL 4.1 928 928 No. Obs. Mean No. of Hours with Temperature Element (X) 3827773 61.817.37 928 ≤ 32 € 910172 24258 26.117.281 930 9.5 54.5 Dry Bulb 93 643976 22.014.513 70.4 928 Wet Bulb 20406 Dew Point 342115 12561 13.513.625 928 91,1

a õ 0.26.5

1

DATA PROCESSING BRANCH
STAC
THER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

| A12<br>STATION   | MA         |             |            | AFB I         | MT/G       | REAT         | FALI    | <u>.</u> S     |         | 67-        | 76                                            |         |         |               | ARS      |                               |               |               | DE       |           |
|------------------|------------|-------------|------------|---------------|------------|--------------|---------|----------------|---------|------------|-----------------------------------------------|---------|---------|---------------|----------|-------------------------------|---------------|---------------|----------|-----------|
| STATION          |            |             |            | ST            | ATION N    | ME           |         |                |         |            |                                               |         |         | PAGE          | 1        | 1200-1400<br>HOURS (L. S. T.) |               |               |          |           |
| Temp.            |            |             |            |               |            |              | BULB T  |                |         |            |                                               |         |         | ***           | *******  |                               | TOTAL         |               | TOTAL    |           |
| (F)              | 0          | 1 - 2       | 3 - 4      | 5 - 6         | 7 à        | 9 - 10       | 11 - 12 | 13 - 14        | 15 - 16 | 17 - 18    | 19 - 20                                       | 21 - 22 | 23 - 24 | 25 - 26       | 27 - 28  | 29 - 30 ≥ 3                   | D.B./W.B.     | ry Bulb       | Wet Bulb | Dew Point |
| u4/ 63           |            | İ           |            |               | 1          |              |         |                |         |            |                                               | -1      |         |               |          |                               | 1             |               |          |           |
| 62/61            |            |             |            |               |            |              |         |                |         | ,1         | -1                                            |         |         |               |          |                               | 2             | 2             |          |           |
| 60/ 59           | - 1        |             |            |               |            |              |         |                | • 2     |            | • 1                                           |         |         |               |          | l                             | 3             |               |          |           |
| 58/ 57           |            |             | -          |               |            |              | . 3     | - 4            | •1      | . 2        | •2                                            |         |         | ļ             |          |                               | 12            | <del></del> . | —        |           |
| 56/ 55           | į          |             | 1          |               | ļ          |              | .5      | .8             | .3      | .4         |                                               |         |         |               |          | İ                             | 19            | 15            | ,        | į         |
| 54/ 53<br>52/ 51 |            |             |            |               |            |              | • 6     | .6             | .3      |            | <del></del>                                   |         |         |               | -        |                               | 15            | 15            | ļ        |           |
| 50/ 49           |            | }           |            |               | • 4<br>• 8 | •8<br>1•5    | 1.1     | . 8<br>. 8     | .3      |            |                                               |         |         |               |          | ŀ                             | 26            | 26<br>42      |          |           |
| 48/ 47           |            | <del></del> |            | • 2           | • 6        | 1.4          | 1.5     | .5             | . 4     | <b></b>    |                                               |         |         |               |          |                               | 39            | 39            | 2        |           |
| 46/ 45           | .          |             | . 2        | .6            | 1.2        | 1,8          | .6      | .3             |         |            |                                               | ļ       |         |               |          |                               | 45            | 45            | 2        |           |
| 44/ 43           |            | • 1         | •1         | . 8           | 1,4        |              | .6      | •2             |         |            |                                               | -       |         | <del></del> - |          |                               | 56            | 56            | 20       |           |
| 42/ 41           | ļ          |             | . 4        | 1.3           | 2.0        | 2.0          |         |                |         |            |                                               |         |         |               |          | l                             | 54            | 54            | 41       |           |
| 40/ 39           |            | • 2         | • 1        | 1.4           | 2.6        | 2,0          |         |                |         |            |                                               | i       |         |               |          |                               | 59            | 59            | 43       | 1         |
| 38/ 37           |            | 1           | • 5        | 1.5           | 2.7        | . 8          |         |                |         |            |                                               |         |         |               |          |                               | 51            | 51            | 58       | 4         |
| 36/ 35           | • 2        |             | • 3        | 3.1           | 1,9        | • 1          |         |                |         |            |                                               |         |         |               |          | <u> </u>                      | 53            | 53            | 82       | 12        |
| 34/ 33           | • 1        | .3          | 1.3        | 1.8           | 1.4        |              |         |                | -       |            |                                               |         |         | L             |          |                               | 46            | 46            | 72       | 5         |
| 32/ 31           |            | • 9         | 1.1        | 1.1           | • 4        |              |         |                | -       |            |                                               |         |         |               |          |                               | 32            | 32            | 85       | 21<br>41  |
| 30/ 29           | <u>, 2</u> | 1.2         | 1.5        | • 5           |            | •            |         |                |         |            |                                               |         |         |               |          |                               | 32            | 32            | β΄       | 41        |
| 28/ 27           | • 4        |             |            | • 4           |            |              |         |                |         |            | i I                                           |         |         |               |          | ľ                             | 40            | 40            | 6',      | 54        |
| 26/ 25           | .6         |             | 1.9        |               |            |              |         |                |         |            |                                               |         |         |               |          |                               | 34            | 34            | 50       | 47        |
| 24/ 23           | • 2<br>• 5 | . 8         |            |               |            |              |         |                |         |            |                                               |         |         |               |          |                               | 20            | 20            | 38       | 63        |
| 22/ 21<br>20/ 19 | - •2       | 1.6         | • <u>•</u> |               |            |              |         |                |         | <b> </b> - | <u>                                 </u>      |         |         |               |          |                               | 22            | 22            | 35       | 89        |
| 20/ 19<br>18/ 17 | • 4        | 1.3         | ,          | - 1           | ĺ          | ٠,           |         | -              |         |            | 1 1                                           |         |         |               |          | ļ                             | 17            | 18<br>13      | 22       | 101       |
| 16/ 15           | . 5        |             | •1         |               |            |              | -       |                |         |            |                                               |         |         |               |          | <del></del>                   | 13            | 13            | 18       | 63        |
| 14/ 13           | .5         | 1.6         | •          | ļ             | }          | ĺ            |         |                |         |            |                                               |         |         |               | ļ        |                               | 30            | 20            | 18       | 61        |
| 12/ 11           | •4         |             |            | $\rightarrow$ |            | •            |         |                |         |            |                                               |         | <b></b> |               |          |                               | 16            | 16            | 17       | 61        |
| 10/ 9            | [4         |             |            | 1             |            |              |         |                |         |            |                                               |         |         |               |          |                               | 21            | 21            | 19       | 46        |
| 8/ 7             | . 8        |             | -          |               |            | -,.·         |         |                |         |            |                                               |         |         |               |          |                               | 16            | 16            | 20       | 29        |
| 6/ 5             | 5          | . 8         |            |               |            |              |         |                |         |            |                                               |         |         |               |          |                               | 15            | 15            | 16       | 14        |
| 4/ 3             | . 2        | . 8         |            |               |            | ,            |         |                |         |            |                                               |         |         |               |          |                               | 9             |               | 10       | 19        |
| 2/ 1             | . 1        | 1.0         | }          |               |            |              |         |                |         |            |                                               |         |         |               |          | -                             | 10            | 10            | 8        | 17        |
| 0/ -1            | 1.4        |             |            |               |            | •            |         |                |         |            |                                               |         |         |               |          |                               | 13            | 13            | 20       | 14        |
| -2/ -3           | أون        | 3           |            |               |            |              |         |                |         |            |                                               |         |         |               |          |                               | 13            | 13            | 12       | -4        |
| Element (X)      |            | Σχ2         |            |               | X          |              | X       | ₹ <sub>R</sub> |         | No. Ob     | <u>s.                                    </u> |         |         |               | Meon N   | o. of Hours w                 | ith Temperatu | f v           |          |           |
| Rel. Hum.        |            |             |            |               |            |              | ļ       |                |         |            |                                               | ≤ 0 F   |         | 32 F          | ≥ 07     | F ≥ 73 F                      | > 80 F        | ≥ 93 F        | = 7      | otal      |
| Dry Bulb         |            |             |            |               |            |              |         |                | $\perp$ |            |                                               |         |         | <u> </u>      |          |                               |               | <u> </u>      |          |           |
| Wet Bulb         |            |             |            |               |            | <u>-   -</u> |         |                | _ _     |            |                                               |         | $\bot$  |               | <b>-</b> |                               |               | <del> </del>  |          |           |
| Dew Poin,        |            |             |            |               |            |              |         |                |         |            |                                               |         |         |               |          | 1                             |               | <u> </u>      |          |           |

C FORM G-26 5 (OLA) REVISED PREVIOUS

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 24112 MALMSTRUM AFB

## **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS DEC 67-76 STATION NAME PAGE 2 1200-1400 WET BULB TEMPERA (URE DEPRESSION (F) TOTAL Temp D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 1 - 2 3 - 4 5 - 6 -4/ -5 10 19 10 10 1.1 . 4 10 . 2 12 12 13 -6/-710 15 -8/ -9 10 10 -10/-11 -12/-13 8 2 2 -14/-15 -16/-17 11 9 3 3 -18/-19 -20/-21 2 2 4 2 -22/-23 -24/-25 -26/-27 3 5 -307-31Ţ -32/-33 -34/-35 ï 3 3 -36/-37 -38/-39 -40/-41 TUTAL 13.520.711.112.715.513.2 5.9 4.4 1.7 930 929 929 929 No. Obs. Mean No. of Hours with Temperature 52027 3239041 56.019.291 929 ± 0 F ≥ 67 F = 73 F = 80 F = 93 F 1 32 F Rel. Hum. 93 1161022 30.617.596 930 7.6 40.7 28500 Dry Bulb 929 93 767756 23304 25.114.049 8.3 61.0 Wet Bulb 13895 11.4 90.8 Dew Point 354517 15.012.573 929

FORM 0.26-5 (OL A) REVISED MEYIOUS EDITIONS OF THIS FORM ARE

#### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AF8 MT/GREAT FALLS 67-76 DEC 1500-1700 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 (F) • 1 60/ 59 .1 58/ 57 56/ 55 10 .2 10 12 54/ 53 22 22 52/ 51 • 6 22 22 50/ 49 . 8 38 38 47 1.1 48/ .6 1.3 50 **5**0 46/ 45 49 1.1 1.2 49 44/ 43 1.2 2.6 1.4 58 58 42/ 41 . 6 26 58 58 40/ 39 1.7 2.9 1.0 . 2 35 1.0 49 49 59 38/ 37 . 3 2,5 1.4 53 53 36/ 35 .4 3.2 1.4 60 33 50 50 34/ 1.2 2.9 95 1.2 49 49 26 32/ 31 1.9 2.0 58 30/ 29 1.1 1.2 35 35 88 29 1.4 2.3 45 42 28/ 27 . 5 42 88 26/ 25 35 35 48 51 50 23 24/ 23 1.0 1.2 23 50 1.5 28 89 22/ 21 .8 23 42 • 8 98 27 19 25 20/ 1.6 16 76 16 18/ 26 15 1.3 . 2 19 19 79 16/ 21 54 12 12 15 14/ 13 . 8 22 22 65 12/ 11 1.9 22 15 15 44 9 18 10/ 1.1 . 8 . 8 14 39 8/ 7 14 15 13 16 6/ 5 . 9 13 11 10 22 15 3 10 14 4/ . 8 1.0 13 11 22 11 11 0/ -1 -2/ 19 15 -3 19 14 5 -5 6 -6/ -7 11 io Element (X) No. Obs. Mean No. of Hours with Temperature ≤ 32 F 2 93 F Total Dry Bulb Wet Bulb

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBS

FOLM 0.26-5 (OLA)

USAFETAC PORM

Dew Point

## **PSYCHROMETRIC SUMMARY**

| Z      | MA   | LMST  | ROM          |              |                                                  |                                                  | FAL            | LS             |              | 67-                                              | 76                                               |          |              |           |             |              |                    |              | DE            |          |
|--------|------|-------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|----------------|----------------|--------------|--------------------------------------------------|--------------------------------------------------|----------|--------------|-----------|-------------|--------------|--------------------|--------------|---------------|----------|
| TION   |      |       |              | \$1          | ATION N                                          | AME                                              |                |                |              |                                                  |                                                  |          |              | YE        | ARS         |              | PAGE               | 2            | 1500-         |          |
|        |      |       |              |              |                                                  |                                                  |                |                | . =          |                                                  |                                                  |          |              |           |             |              | <del></del>        |              |               |          |
| )<br>) | 0    | 1 - 2 | 3 - 4        | 5 - 6        | 7 - 8                                            |                                                  |                |                |              |                                                  | SSION (I                                         |          | 22 2         | 4 25 - 26 | 27 20 2     | 9 - 30 = 31  | TOTAL<br>D.B./W.B. | Den Bulk     | TOTAL         | 0.       |
| -9     | 1.1  |       |              | 3.0          | ,                                                | 7.10                                             | 11 - 12        | 13 - 14        | 13 - 16      | 17 - 10                                          | 17 - 20                                          | 21 - 22  | 23 . 2       | 23 . 20   | 27 - 28 2   | 7.30 231     | 10                 | 10           | 10            | Ö        |
| -11    | .6   |       | 1            | •            |                                                  |                                                  |                |                |              |                                                  | 1 1                                              |          |              |           |             |              | 6                  | 6            | 6             | 1        |
| -13    | •3   |       |              |              |                                                  |                                                  |                |                |              | <del>                                     </del> |                                                  |          |              | 1         |             |              | 3                  | 3            | 3             | _        |
| -15    | .1   |       | ļ            |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              | 1                  | 1            | 1             | f        |
| -17    | .6   |       | <del> </del> |              |                                                  |                                                  |                |                |              | <u> </u>                                         |                                                  |          |              | 1         |             | <del> </del> | 6                  | 6            | 6             | ī        |
| -19    | 1    |       | ļ            |              |                                                  |                                                  |                |                |              | i                                                | 1 1                                              |          |              | 1         |             |              | i                  | 1            | l il          | ĺ        |
| -23    |      | ·     |              |              |                                                  | · ·                                              |                |                |              | <del>                                     </del> |                                                  |          |              | 1         |             |              | 1                  |              |               | _        |
| -25    |      |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              |               | ļ        |
| -27    | . 3  |       |              |              |                                                  |                                                  | i              |                |              |                                                  |                                                  |          |              | $\top$    |             |              | 3                  | 3            | 3             | ī        |
| -29    |      |       | ļ            |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    | ĺ '          | ļ. ļ          | 1        |
| -33    | . 2  |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              | 2                  | 2            | 2             | Ī        |
| -35    | . 1  |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              | 1                  | 1            | 1             | ĺ        |
| -37    |      |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              |               | Γ        |
| -39    |      |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              | [             | ĺ        |
| -41    |      |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              |               | Γ        |
| -43    |      |       | <u> </u>     |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              | L             |          |
| -45    |      |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              |               | ĺ        |
| L      | 14.8 | 19.1  | 13.4         | 15.9         | 15.9                                             | 10.6                                             | 5.1            | 3.9            | . 8          | .4                                               | .1                                               | • 1      |              |           |             |              |                    | 930          |               | L        |
|        |      |       | j            |              |                                                  |                                                  |                |                |              | i                                                |                                                  |          |              |           |             |              | 928                | 1            | 928           | J        |
|        |      |       |              |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              | i         |             |              |                    |              |               | _        |
|        |      |       |              |              |                                                  |                                                  | 1              |                |              |                                                  |                                                  |          |              |           |             |              |                    | 1            |               | ĺ        |
|        |      |       | <u> </u>     |              |                                                  |                                                  | <u> </u>       |                |              |                                                  | ļl                                               |          |              |           |             |              |                    | ļ            | <b> </b>      | <u> </u> |
|        |      |       |              |              |                                                  |                                                  |                |                |              | •                                                |                                                  |          |              |           |             |              | 1 !                |              |               | ĺ        |
|        |      |       | <del> </del> |              |                                                  | <u> </u>                                         |                |                |              | <del></del>                                      | <b> </b> -                                       |          |              |           |             |              |                    |              | ļ             | -        |
|        |      |       |              |              |                                                  |                                                  |                |                |              |                                                  | l i                                              |          |              |           |             |              |                    | 1            |               | ĺ        |
|        |      |       |              |              |                                                  | <u> </u>                                         | <del> </del>   |                |              |                                                  |                                                  |          |              | +         |             |              |                    | <del> </del> | <del>  </del> | -        |
|        |      |       | i            | }            |                                                  |                                                  |                |                |              |                                                  |                                                  |          | 1            |           |             |              |                    | 1            |               |          |
|        |      |       |              |              |                                                  |                                                  | <del> </del>   |                |              | <del> </del>                                     | <del>                                     </del> |          | <del> </del> | 1         | -           |              | +                  | <del></del>  | <del>  </del> | $\vdash$ |
|        |      |       | ĺ            |              |                                                  |                                                  |                |                |              |                                                  |                                                  |          |              |           |             |              |                    |              |               |          |
|        |      |       | <del> </del> | <del> </del> |                                                  | ├──                                              | <del> </del> - |                |              | <del> </del>                                     |                                                  |          |              | +         | <del></del> |              |                    |              |               | H        |
| 1      |      |       |              |              | }                                                |                                                  | 1              | ĺ              |              |                                                  |                                                  | ĺ        | 1            |           |             |              |                    |              |               |          |
|        |      |       |              |              | <del>                                     </del> | <del>                                     </del> | <del> </del>   |                | <del> </del> |                                                  | $\vdash \vdash \vdash$                           | <u> </u> |              | 1         |             |              | 1                  | <del></del>  | <del> </del>  | -        |
| ļ      |      |       |              |              |                                                  |                                                  |                |                |              | ].                                               |                                                  |          |              |           |             |              |                    | !            |               |          |
| st (X) |      | Σ χ²  |              |              | z x                                              |                                                  | X              | ₹ <sub>X</sub> |              | No. O                                            |                                                  |          |              |           | Mean No     | of Hours w   | ith Temperal       | ture         |               | _        |
| um.    |      |       | 8940         |              | 532                                              | 04                                               | 57.3           | 18.5           | 40           |                                                  | 28                                               | ± 0      |              | ≤ 32 F    | ≥ 67 F      | ≥ 73 F       | ≥ 80 F             | ≥ 93         | F '           | To       |
| ılb    |      | 106   | 1747         | 1            | 271                                              | 37 .                                             | 29.2           | 17.0           | 45           | - 0                                              | 30                                               | 7        | . 9          | 45.2      |             |              |                    |              |               |          |

FORM 0.26-5 (OL A) RENSED MEYOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC PO

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC MALMSTRUM AFB MT/GREAT FALLS

STATION NAME

### **PSYCHROMETRIC SUMMARY**

DEC MONTH YEARS

1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp.

| (F)       | 0    | 1 - 2 | 3 - 4 | 5 - 6    | 7 - 8    | 9 - 10                                       | 11 - 12  | 13 - 14     | 15 -                                          | 16 17 - 18  | 19 - 20  | 21 - 22  | 23 - 24  | 25 - 26  | 27 - 28 | 29 - 30 | ≥ 31     | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
|-----------|------|-------|-------|----------|----------|----------------------------------------------|----------|-------------|-----------------------------------------------|-------------|----------|----------|----------|----------|---------|---------|----------|-----------|----------|----------|-----------|
| 52/5      | 1    |       |       |          | .3       | • 1                                          |          | , 3         | 3                                             |             | Ī        |          | [        |          |         |         |          | 9         | 9        |          |           |
| 55/ 4     | 9    |       |       | . 1      | ,1       | • 5                                          | •        | . 2         | !                                             |             |          |          | [        | l        |         |         | ŀ        | 14        | 14       |          | }         |
| 48/ 4     | 7    |       |       | •2       | 1,2      | 1.0                                          | . 8      |             |                                               |             |          |          |          |          |         |         |          | 29        | 29       |          |           |
| 46/ 4     |      |       |       | .4       |          | 1,1                                          |          | . 2         | 2                                             |             | 1        |          | !        | į        |         |         |          | 27        | 27       | 1        |           |
| 44/ 4     | 3    |       | • 2   | 1.6      | .9       | 1,0                                          |          | 3           |                                               |             | 1        | 1        |          |          |         |         |          | 37        | 37       | 6        |           |
| 42/ 4     |      |       | • 6   |          |          |                                              |          |             |                                               | ]           | 1        | ]        | 1        | 1        |         |         | ]        | 40        | 40       | 5        | ] ]       |
| 40/ 3     |      | 1     | 1.0   |          |          | • 5                                          |          |             |                                               |             | 1        |          |          | 1        |         |         |          | 46        | 46       | 29       |           |
| 38/ 3     |      |       | 1.0   |          | 1.5      |                                              |          | 1           |                                               | }           | ļ        |          | ļ        |          |         |         | ]        | 44        | 44       | 49       | 2         |
| 36/ 3     | 5    | •1    | • 8   |          |          |                                              |          | -           |                                               |             | 1        |          | <u> </u> |          |         |         |          | 44        | 44       | 49       | 4         |
| 34/ 3     |      | .4    |       |          | 9        | • 2                                          | :        | 1           |                                               | i i         | 1        |          |          |          | i I     |         | 1        | 50        | 50       | 52       | 12        |
| 32/ 3     | 1 .  | 1     | 2.7   | 1.5      | .8       |                                              |          |             | 1                                             |             |          |          |          |          |         |         | i        | 47        | 47       | 52       | 18        |
| 30/ 2     |      | .8    |       |          |          |                                              |          |             |                                               |             | 1        | 1        |          | •        |         |         |          | 60        | 60       |          | 34        |
| 28/ 2     | 7 .  |       | 4.1   | . 9      |          |                                              |          | i           | 1                                             |             |          |          |          |          |         |         |          | 61        | 61       | 70       | 37        |
| 26/ 2     | 5    | 2.1   | 3.3   |          |          | ١.                                           |          |             |                                               | 1           | 1        |          |          |          |         |         |          | 54        | 54       | 76       | 40        |
| 24/ 2     | 3 .  |       |       |          |          |                                              |          | 1           | T                                             |             |          |          |          | ]        |         |         |          | 31        | 31       | 81       | 58        |
| 22/ 2     | 1 1. | 2.6   |       |          | 1        |                                              |          | 1           |                                               | 1           | 1        | 1        | ļ        | 1        | 1       |         | 1        | 49        | 49       | 66       | 75        |
| 20/ 1     | 9 .  | 1.8   | • 2   |          |          |                                              |          | T           |                                               |             | 1        |          |          | T        |         |         |          | 26        | 26       | 40       | 72        |
|           | 7 .  |       |       |          | ]        |                                              |          | ]           |                                               | _]          | <u> </u> | <u>i</u> |          | L        |         |         | <u> </u> | 31        | 32       |          |           |
| 16/ 1     |      |       | • 1   |          |          |                                              |          | 1           |                                               |             |          | _        |          |          |         |         |          | 27        | 27       | 29       | 77        |
| 14/1      | 3 .  |       |       |          | <u></u>  | ]                                            |          | ]           | 1                                             |             | <u> </u> | <u> </u> | <u> </u> | <u> </u> |         |         | <u> </u> | 8         | 8        | 17       |           |
| 12/1      | 1 .  | 1.6   |       |          |          |                                              |          |             |                                               |             | Ī        |          |          |          |         |         |          | 18        | 18       | 12       | 67        |
| 10/       | 9 .  | 6 1.4 |       |          |          |                                              |          |             |                                               |             | <u> </u> |          |          |          |         |         | L        | 19        | 19       | 22       | 42        |
|           | 7 1. | 4 .4  |       |          |          |                                              |          |             |                                               |             | 1        | ĺ        | [        |          |         |         | 1        | 17        | 17       | 22       | 41        |
| 6/        | 5 .  | 8 1.1 |       |          | <u> </u> | <u>.                                    </u> | <u> </u> |             |                                               |             |          |          |          |          |         |         |          | 17        | 17       | 11       | 26        |
| 4/        | 3 .  | 8 • 8 |       |          | 1        |                                              |          |             | İ                                             |             |          | 1        |          |          |         |         |          | 14        | 14       |          | 22        |
| 2/_       | 1 .  | 5 1.0 |       |          | <u> </u> |                                              |          | <u> </u>    |                                               | <u> </u>    |          |          |          | <u> </u> |         |         | <u> </u> | 14        | 14       | 11       | 16        |
| 0/ -      | 1 ,  |       | !     | _        |          | [                                            |          | [           | 1                                             |             | 1        | [        | -        | {        | l T     |         |          | 11        | 11       | 13       | 19        |
| -2/ -     |      |       |       |          |          |                                              | <u> </u> | <u> </u>    | <u> </u>                                      |             |          | <u> </u> |          |          |         |         | <u></u>  | 21        | 22       |          | 5         |
|           | 5 .  | 6     |       |          |          |                                              | 1        |             | 1                                             | - [         | Į        | l        |          | Į i      |         |         |          | 6         |          | 10       |           |
| 6/        |      |       |       |          |          | <u></u>                                      | <u> </u> |             | <u> </u>                                      |             |          | <u> </u> |          | <u> </u> |         |         |          | 10        | 10       |          | 8         |
| -8/ -     |      |       |       |          | 1        |                                              |          |             |                                               |             |          |          |          |          |         |         |          | 11        | 11       | 11       | 24        |
| -10/-1    | 1 .  | 9     |       |          |          |                                              | <u> </u> | <u> </u>    |                                               |             |          | <b></b>  |          |          |         |         |          | 8         | 8        | 8        |           |
| -12/-1    |      |       |       |          |          |                                              |          |             |                                               |             |          |          |          | 1        |         |         |          | 3         | 3        |          | 4         |
| -14/-1    |      | 6     | L     |          | <u> </u> | L                                            | <u></u>  | <del></del> |                                               |             | 1        | <u> </u> | <u> </u> | <u> </u> |         |         |          | 6         |          | 6        | 10        |
| Element ( | X)   | Σχ²   |       |          | Σχ       |                                              | X        |             | <u>.                                     </u> | No. C       | bs.      |          |          |          |         |         |          | h Tempera |          |          |           |
| Rel. Hum. |      |       |       |          |          | _                                            |          | ļ           |                                               |             |          | ≤ 0      | F        | ≤ 32 F   | ≥ 67    | F *     | 73 F     | ≥ 80 F    | × 93 1   | <u></u>  | Total     |
| Dry Bulb  |      |       |       | <u> </u> |          |                                              |          | ļ           |                                               | <del></del> |          |          | _        |          | <u></u> |         |          |           |          |          |           |
| Wet Bulb  | ĺ    |       |       | l        |          | 1                                            |          | 1           | - 1                                           |             |          |          | - 1      |          | l       | 1       |          | i         | 1        | 1        |           |

100M 0.26-5 (OL.A)

Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC (F) -16/-17 -18/-19 -20/-21 . 3 -22/-23 -24/-25 -26/-27 -28/-29 -30/-31 -32/-33 . 2 -36/-37 -38/-39 -40/-41 -44/-45 -46/-47 TOTAL

₹ ĝ

USAFETAC

### **PSYCHROMETRIC SUMMARY**

MALMSTRUM AFB MT/GREAT FALLS 67-76 DEC 1800-2000 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 1 9 3 3 3 6 1 3 1 2 1 1 2 I 17.823.022.216.711.1 5.7 2.6 929 926 926 926 No. Obs. Element (X) Mean No. of Hours with Temperature 3938233 833021 926 929 58489 Rel. Hum. 63.216.238 ± 0 F ≥ 93 F 59.0 23251 9.5 93 25.016.449 Dry Bulb 21.313.969 926 93 601484 19744 9.8 73.9 Wer Bulb 12305 926 Dew Point 323633

## **PSYCHROMETRIC SUMMARY**

24112 MALMSTRUM AFB MT/GREAT FALLS 67-76

STATION NAME

ODEC

MONTH

MONTH

PAGE 1 2100-2300

|             |     |       |             |       |       |             |         |                 |             |              |             |          |           |                                                  |                                                  |              |              | PAGE                                             | •        | HOURS (  | L. S. T.) |
|-------------|-----|-------|-------------|-------|-------|-------------|---------|-----------------|-------------|--------------|-------------|----------|-----------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|--------------------------------------------------|----------|----------|-----------|
| Temp        |     |       |             |       |       |             |         |                 |             | DEPRE        |             |          |           |                                                  |                                                  |              |              | TOTAL                                            |          | TOTAL    |           |
| (F)         | 0   | 1 - 2 | 3 - 4       | 5 - 6 | 7 - 8 | 9 - 10      | 11 - 12 | 13 - 14         | 15 - 16     | 17 - 18      | 19 - 20     | 21 - 22  | 23 - 24   | 25 - 26                                          | 27 - 28                                          | 29 -         | 30 2 31      | D.B./W.B.                                        | Dry Bulb | Wet Bulb | Dew Point |
| 54/ 53      |     |       |             |       |       |             |         | .1              |             |              |             |          |           |                                                  |                                                  |              |              | 1                                                | 1        |          |           |
| 52/ 51      | ļ   |       | į           | į     | . 3   |             | • 1     |                 |             |              |             |          |           |                                                  |                                                  |              | 1            | 4                                                | 4        |          |           |
| 50/ 49      |     |       |             |       | .3    | • 1         | • 2     |                 |             |              |             |          |           |                                                  |                                                  | 1            |              | 6                                                | 6        |          | _         |
| 48/ 47      |     | ļ     | İ           | • 1   | . 8   |             |         |                 |             |              |             |          |           |                                                  |                                                  |              |              | 19                                               | 19       |          |           |
| 46/ 45      |     |       |             | .7    |       |             | .3      | .1              |             |              |             |          |           |                                                  |                                                  | 1            |              | 36                                               | 36       |          |           |
| 44/ 43      |     | ļ     | • 2         | 2.0   |       | 1.0         |         |                 |             |              |             |          |           | 1                                                | 1                                                |              |              | 50                                               | 50       | 5        |           |
| 42/ 41      |     |       | • 1         | 1.4   | 1,5   | ÷2          |         |                 |             | 1            |             |          |           |                                                  |                                                  | $\dagger$    |              | 32                                               | 32       | 3        |           |
| 40/ 39      | ľ   | . 1   | • 8         | 1.8   |       |             | •2      |                 |             |              |             |          |           | 1                                                |                                                  |              | i            | 39                                               | 39       | 24       |           |
| 38/ 37      |     | .3    | • 5         | 1.5   |       |             |         |                 |             |              |             |          |           |                                                  | 1                                                | 1            |              | 35                                               | 35       | 53       |           |
| 36/ 35      | ŀ   | - 1   | • 8         | 2.7   |       |             | j       |                 |             | İ            |             |          |           | ł                                                | 1                                                | İ            |              | 39                                               | 39       | 52       | 6         |
| 34/ 33      |     | . 4   | 1.0         | 2.0   |       |             |         |                 |             |              |             |          |           | <del> </del>                                     | <del>                                     </del> | $\vdash$     |              | 40                                               | 40       | 47       | 4         |
| 32/ 31      |     | . 2   | 3.0         | . 9   |       |             |         |                 |             |              |             |          |           |                                                  |                                                  |              |              | 33                                               | 33       | 43       | 22        |
| 30/ 29      |     | .7    | 2.7         |       |       |             |         |                 |             | 1            |             |          |           |                                                  |                                                  | † —          |              | 56                                               | 56       | 51       | 28        |
| 28/ 27      | . 3 | 1.2   | 4.2         | 1.0   |       |             |         |                 |             |              |             |          |           |                                                  | 1                                                |              |              | 62                                               | 62       | 63       | 45        |
| 26/ 25      | .3  | 1.6   |             | • 2   |       |             |         |                 |             | 1            |             |          | · _ · · · |                                                  |                                                  | 1            |              | 50                                               | 50       | 59       | 49        |
| 24/ 23      | .1  | 3.5   | 2.1         |       |       |             | 1       |                 |             |              |             |          |           | (                                                |                                                  | 1            | ĺ            | 52                                               | 52       | 74       | 54        |
| 22/ 21      | .5  | 3.8   | • 8         |       |       |             |         |                 |             | 1            |             |          |           |                                                  |                                                  | 1            |              | 47                                               | 47       | 79       | 48        |
| 20/ 19      | . 2 | 3.4   | . 3         | 1     |       |             |         |                 |             |              |             |          |           | ļ                                                | 1                                                |              |              | 36                                               | 38       | 52       | 58        |
| 18/ 17      | 1.1 | 3.0   | • 1         |       |       |             |         |                 |             | T            |             |          |           |                                                  |                                                  | ╁            | <del></del>  | 39                                               | 39       | 50       | 82<br>69  |
| 16/ 15      | 1.1 | 2.4   |             |       |       |             |         |                 |             |              |             |          |           |                                                  |                                                  |              |              | 35                                               | 36       | 44       | 69        |
| 14/ 13      | • 1 | 1.3   |             |       |       |             | i       |                 |             | 1            |             |          |           | <del>                                     </del> | 1                                                | <del> </del> |              | 13                                               | 13       | 17       | 83        |
| 12/ 11      | .3  | 1.2   | ļ           | .     | ļ     |             |         |                 |             | 1            |             |          |           | ļ                                                |                                                  |              |              | 14                                               | 14       | 15       | 72        |
| 10/ 9       | •7  | 1.2   |             |       | İ     |             |         |                 |             | <del> </del> |             |          | -         |                                                  | i -                                              | 1            |              | 17                                               | 18       | 18       | 47        |
| 8/ 7        | 1.4 | . 8   | ļ           |       |       |             |         |                 |             |              |             |          |           |                                                  |                                                  | 1            | - 1          | 20                                               | 20       | 22       | 43        |
| 6/ 5        | . 5 | 1.0   |             |       |       |             |         |                 |             | 1            |             |          |           |                                                  |                                                  | 1            |              | 14                                               | 14       | 10       | 20        |
| 4/ 3        | . 8 | 2.0   | 1           |       |       |             |         |                 |             | 1            |             |          |           | 1                                                | 1                                                |              | 1            | 25                                               | 25       | 18       | 23        |
| 2/ 1        | .4  | .7    | 1           |       |       |             |         |                 |             | 1            |             |          |           | 1                                                |                                                  | T            |              | 10                                               | 12       | 22       | 16        |
| 0/ -1       | 1.1 | i     | I           |       |       |             |         |                 |             |              |             |          |           | 1                                                |                                                  | Į            |              | io                                               | 10       | 13       | 15        |
| -2/ -3      | 1.5 | 1.0   |             |       |       |             |         |                 |             | 1            |             |          |           | <del>                                     </del> | <del>                                     </del> | 1-           | <del> </del> | 23                                               | 23       | 22       | 16        |
| -4/ -5      | 1.1 | . 2   | 1           |       |       |             |         |                 |             |              |             |          |           | 1                                                | 1                                                |              | 1            | 12                                               | 13       | 12       | 9         |
| -6/ -7      | 1.1 |       |             |       |       |             |         |                 |             | <b>†</b>     |             |          |           | † — —                                            |                                                  | 1            | ┪            | 10                                               | 10       | 11       | 14        |
| -8/ -9      | 1.2 |       |             |       |       |             |         |                 |             |              |             |          |           |                                                  |                                                  |              |              | ii                                               | 11       | 11       | 14        |
| 10/-11      | 5   | i     |             |       |       | <del></del> |         |                 |             | 1            |             | $\vdash$ |           | <del>                                     </del> | <del>                                     </del> | +-           |              | 3                                                | - 5      | 5        | 13        |
| 12/-13      | . 4 | ļ     | į           | •     |       | 1           |         |                 |             |              |             |          |           |                                                  |                                                  |              |              | 4                                                | 4        | 4        | iz        |
| Element (X) |     | ž x²  |             |       | ZX    | <u> </u>    | X       | σ×              | <del></del> | No. Ob       | •. T        |          |           | <del></del>                                      | Mean                                             | No. of       | Hours wit    | h Temperat                                       |          |          |           |
| Rel. Hum.   |     |       | $\neg \neg$ |       |       | $\dashv$    |         | —— <del>-</del> |             |              |             | ± 0 1    | :         | 32 F                                             | ≥ 6                                              |              | ≥ 73 F       | ≥ 80 F                                           | ≥ 93 F   |          | Total     |
| Dry Bulb    |     |       |             |       |       |             |         |                 |             |              |             |          |           | 78,                                              |                                                  | -+           | - 10 1       |                                                  | +        | _        |           |
| Wet Bulb    |     |       |             |       |       |             |         |                 |             |              |             |          | $\dashv$  | ******                                           | <del> </del> -                                   |              |              | <del>                                     </del> | +        | _        |           |
| Dew Point   |     |       |             |       | -     |             |         |                 |             |              | <del></del> |          |           |                                                  | L                                                |              |              |                                                  |          |          |           |

## **PSYCHROMETRIC SUMMARY**

| 4112        | MA   | LMST  | ROM          | AFB            | MT/G     | REAT           | FAL            | LS                                               |                              | <u>67-</u>                                       | 76                                               |              |              |             |       |          |       |         |                                                  |          | 01    |          |
|-------------|------|-------|--------------|----------------|----------|----------------|----------------|--------------------------------------------------|------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|--------------|-------------|-------|----------|-------|---------|--------------------------------------------------|----------|-------|----------|
| STATION     |      |       |              | s.             | TATION N | AME            |                |                                                  |                              |                                                  |                                                  |              |              |             | YEARS |          |       |         |                                                  |          |       | HTH      |
|             |      |       |              |                |          |                |                |                                                  |                              |                                                  |                                                  |              |              |             |       |          |       |         | PAGE                                             | 2        | 2100- |          |
| Temp        |      |       |              |                |          | WET            | BULB           | TEMPERA                                          | ATURE                        | DEPR                                             | ESSION                                           | (F)          |              |             |       |          |       |         | TOTAL                                            |          | TOTAL |          |
| (F)         | 0    | 1 - 2 | 3 - 4        | 5 - 6          | 7 - 8    |                |                | 13 - 14                                          |                              |                                                  |                                                  |              | 2 23         | 21 25       | 24 27 | 28 29    | - 30  | ≥ 31    | D.B./W.B.                                        | Dry Bulb |       | Dew Poir |
| -14/-15     | • 4  |       | <u> </u>     | i              | <u> </u> |                |                |                                                  |                              | t                                                |                                                  | 1            | 1            |             |       |          |       |         | 4                                                | 4        | 4     | 9        |
| -16/-17     | . 7  |       | 1            | ĺ              | [        |                |                | [ [                                              |                              |                                                  |                                                  |              | -            | [           | -     |          |       |         | 6                                                | 6        | 6     | 7        |
| -18/-19     | • 1  |       | i            | i              |          | ·              | i              |                                                  |                              | i                                                | <del>                                     </del> | 1            |              |             |       |          | †     |         | 1                                                | 1        | 1     |          |
| -20/-21     | , 1  |       |              | <b>!</b><br>!  |          |                |                |                                                  |                              |                                                  |                                                  | •            | j            | }           | - }   | - 1      | ]     |         | 1                                                | 1        | 1     | 11       |
| 22/-23      | • 1  |       |              |                |          |                | Г              |                                                  |                              |                                                  |                                                  |              |              |             |       |          |       |         | 1                                                | 1        | 1     | 4        |
| 24/-25      | . 2  |       |              | <u> </u>       | <u> </u> | ,              |                |                                                  |                              |                                                  |                                                  |              |              |             |       |          |       |         | 2                                                | 2        | 2     | 5        |
| 26/-27      | • 3  |       |              |                |          |                |                |                                                  |                              |                                                  | T                                                |              | ĺ            |             |       |          |       |         | 3                                                | 3        | 3     | 3        |
| 28/-29      | 1    |       |              |                |          |                | <u> </u>       |                                                  |                              |                                                  |                                                  | <u> </u>     |              |             |       |          |       |         | 1                                                | 1        | 1     |          |
| 30/-31      | إ    |       |              |                |          |                |                |                                                  |                              |                                                  |                                                  |              | 1            |             |       |          |       |         |                                                  | _        |       | 3        |
| 32/-33      | . 1  |       | <u> </u>     | ļ              |          |                | <del> </del>   |                                                  |                              | <u> </u>                                         | <u> </u>                                         | <del> </del> |              |             |       |          |       |         | 1                                                | 1        | 1     | 1        |
| 34/-35      | • 2  |       |              |                |          |                |                |                                                  |                              |                                                  |                                                  |              |              |             | Ì     | - [      | - 1   |         | 2                                                | 2        | 2     | 3        |
| 36/-37      | • 1  |       | <u> </u>     |                |          |                | <u> </u>       |                                                  |                              | <u> </u>                                         | ļ                                                |              | <del> </del> |             |       | _        |       |         | 1                                                | 1        | 1     |          |
| 38/-39      |      |       | ĺ            |                |          |                | 1              |                                                  |                              | į                                                |                                                  | 1            |              | l           |       |          | l     |         |                                                  |          |       | ]        |
| 40/-41      |      |       |              | <u> </u>       | <b></b>  | <u> </u>       | <del> </del> - |                                                  |                              |                                                  | -                                                |              |              |             | -     |          |       |         | <del>  </del>                                    |          |       |          |
|             | 17.4 | 20 0  |              | 14 2           | 1 . 2    | ١.,            | , ,            | اءا                                              |                              | 1                                                |                                                  | 1            | 1            | - }-        | -     | - 1      | 1     |         | } }                                              | 929      | 1     | 922      |
| UIAL        | 1,04 | 27.7  | 1701         | 10.2           | 77.03    | 404            | 1.00           | •2                                               |                              |                                                  | ├                                                |              |              |             | _     |          |       |         | 922                                              | 727      | 922   | 926      |
| 1           |      | !     |              | ;              |          | }              | j              | ]                                                |                              | ļ                                                | ļ                                                |              |              | - ]         |       |          |       |         | 766                                              |          | ,22   |          |
|             |      |       | <del> </del> |                |          |                | ├─             |                                                  |                              |                                                  |                                                  | +            |              |             | ¦     |          |       |         | <del>├</del> -                                   |          |       |          |
| ļ           | }    |       | }            |                |          |                | 1              | ] [                                              |                              | ]                                                |                                                  |              |              | 1           |       |          | J     |         | ] ]                                              |          |       |          |
|             |      |       |              | <u> </u>       |          |                |                | <del>  </del>                                    |                              |                                                  |                                                  | <del></del>  | +-           | <del></del> |       |          |       |         | <del>                                     </del> |          |       |          |
| į           |      | !     |              |                |          |                | l              |                                                  |                              |                                                  |                                                  | 1            | 1            | ļ           |       | - 1      | - 1   |         | 1 1                                              |          |       |          |
|             |      |       |              |                |          |                |                |                                                  |                              | <del> </del>                                     | <del> </del>                                     | ┼            | <del> </del> |             | +     |          |       |         | <del>  </del>                                    |          |       |          |
|             |      |       | !<br>!       |                |          |                | 1              |                                                  |                              |                                                  |                                                  |              |              |             | 1     |          | ļ     |         |                                                  |          |       |          |
|             |      |       | <del> </del> | <del> </del> - |          |                | ┼              |                                                  |                              | _                                                |                                                  | ╅──          | +            |             |       | $\dashv$ |       |         |                                                  |          |       |          |
| 1           |      |       | '            | [              | ,        | 1              |                | 1 1                                              |                              | Ì                                                | ĺ                                                |              |              | ſ           | !     | - [      | ĺ     |         | 1                                                |          |       |          |
|             |      |       |              |                |          | <del> </del> - |                | <del>                                     </del> |                              | <del>                                     </del> | <del> </del>                                     | 1            | 1-           |             |       | -        |       |         |                                                  |          |       |          |
| !           | ļ    |       |              | }              |          |                | }              |                                                  |                              | 1                                                |                                                  |              | 1            | -           | 1     | - 1      | l     |         | } }                                              |          |       |          |
|             |      |       |              |                |          |                | 1              |                                                  |                              | <del>                                     </del> | <del>                                     </del> | 1            | 1            | _           |       | _        |       |         |                                                  |          |       |          |
| ļ           |      |       |              |                |          |                | '              | i l                                              |                              | ļ                                                |                                                  |              |              |             |       |          | l     |         |                                                  |          |       |          |
|             |      |       |              |                |          | · ·            |                |                                                  |                              |                                                  | <del>                                     </del> | 1            | 1            | $\top$      |       | $\neg$   |       |         |                                                  |          |       |          |
|             |      |       |              |                |          |                |                |                                                  |                              |                                                  |                                                  |              |              |             | ļ     |          | j     |         |                                                  |          |       |          |
|             |      |       |              |                |          |                | 1              |                                                  |                              |                                                  |                                                  | 1            |              |             |       | $\neg$   |       |         |                                                  |          |       |          |
|             |      | -     | <u></u>      |                | L        |                | <u></u>        |                                                  |                              | <u></u>                                          | <u>L</u>                                         |              |              |             |       |          | _ ]   |         | L {                                              |          |       |          |
| Element (X) |      | Σχ²   |              |                | Σχ       |                | X              | <b>₹</b> 2                                       | $oldsymbol{oldsymbol{\Box}}$ | No. O                                            |                                                  |              |              |             | Med   | n No.    | of Ho | urs wit | h Temperati                                      | 110      |       |          |
| Rel Hum.    |      |       | 1446         |                | 594      |                | 64.5           | 15.30                                            | 8                            | 9                                                | 22                                               | <b>5</b> (   |              | ≾ 32 F      |       | 67 F     | 2     | 73 F    | ≥ 80 F                                           | ≥ 93 F   |       | Total    |
| Dry Bulb    |      | 76    | 9171         |                | 220      | 13             | 23.7           | 16.33                                            | 3                            | 9                                                | 29                                               |              | 9.9          | 62,         | 9     |          |       |         |                                                  |          |       | 9:       |
| Wet Bulb    |      | 56    | 3766         |                | 187      |                |                | 14.02                                            |                              |                                                  | 22                                               |              | 0.2          | 74,         |       |          |       |         |                                                  |          |       | 9:       |
| Dew Point   |      | 31    | 0879         |                | 117      | 03             | 12.7           | 13.27                                            | 6                            | 9                                                | 22                                               | 1            | 4.4          | 92.         | 0     |          |       |         |                                                  |          |       | 93       |

ORM 0-26-5 (OLA) REVISED MEVICUS EDITIONS OF THIS FULL 64

## **PSYCHROMETRIC SUMMARY**

| 4112                 | MA       | rus i i | KUIN A     |       | ATION NA | REAT   | FALL     | . <u>s</u> |      | <u>67-7</u> | <u>o</u>                                     |       |                | YE      | ARS         |          |    |              |            | DE<br>MON     |       |
|----------------------|----------|---------|------------|-------|----------|--------|----------|------------|------|-------------|----------------------------------------------|-------|----------------|---------|-------------|----------|----|--------------|------------|---------------|-------|
|                      |          |         |            |       |          |        |          |            |      |             |                                              |       |                |         |             |          |    | PAGE         | 1 .        | HOURS IL      |       |
| Ŧ I                  |          |         |            |       |          | WET    | BIII B T | EMPED.     | ATHE | DEPRES      | SION (F                                      | :)    |                |         |             |          |    | TOTAL        |            | TOTAL         |       |
| Temp<br>(F)          | 0        | 1 - 2   | 3 - 4      | 5 - 6 | 7 - 8    |        |          |            |      |             |                                              |       | 3 - 24         | 25 - 26 | 27 - 28 2   | 9 - 30 ≥ | 31 | D.B./W.B.    | ory Bulb   |               | Dew I |
| 64/ 63               |          |         |            |       |          |        |          |            |      | i           |                                              | •0    |                |         |             |          |    | 1            | 1          |               |       |
| 62/ 61               |          |         |            |       |          |        |          |            |      | 0           | •0                                           |       |                |         |             | _        |    | 2            | 2          |               |       |
| 60/ 59               |          |         |            | 1     |          |        | _        |            | •0   | •0          | •0                                           | •0    |                |         |             | ľ        |    | 6            | 6          |               |       |
| 58/ 57               |          |         |            |       |          |        | • 0      | • 1        | - 0  | •0          | •0                                           |       |                |         |             |          |    | 38           | 17<br>38   |               |       |
| 56/ 55               |          | }       |            |       |          | •0     | • 2      | • 2        | •0   | • 1         | -                                            |       |                |         |             | ĺ        |    | 53           | 53         | l             |       |
| 54/ 53<br>52/ 51     |          |         |            |       | •0<br>•2 | •1     | • 2      | .3         | •1   | •0          | $\longrightarrow$                            |       |                |         |             |          |    | 84           | 84         |               |       |
| 50/ 49               |          | 1       |            | • 0   | .3       | .5     | . 4      | .3         | 1    | .           | -                                            | ŀ     |                |         |             | - 1      |    | 118          | 118        | 1             |       |
| 48/ 47               |          |         |            | • 1   | .6       |        | •6       | .2         | • •  |             | -+                                           |       |                |         |             |          |    | 172          | 172        | 2             |       |
| 46/ 45               |          | İ       | . 1        | .7    | 1.3      | 1.0    | . 8      | .1         |      |             | 1                                            | l     |                |         |             |          |    | 295          | 295        | 14            |       |
| 44/ 43               |          | •0      | • 1        | 1.3   | 1.3      | 1.4    | •4       | •1         |      |             |                                              |       |                |         | +           |          |    | 340          | 340        | 58            |       |
| 42/ 41               |          | .0      | . 4        | 1.4   | 1.9      |        | . 2      |            |      |             |                                              | 1     |                |         |             | 1        |    | 358          | 358        | 124           |       |
| 40/ 39               |          | • 1     | . 8        | 1.5   | 1.8      | ,8     | • 1      |            |      |             | $\neg \neg$                                  |       |                |         |             |          |    | 385          | 385        | 206           |       |
| 38/ 37               | •0       | . 1     | • 6        | 1.7   | 1.5      | . 5    | • 0      |            |      |             |                                              |       |                |         |             |          |    | .336         | 336        | 368           |       |
| 36/ 35               | •1       | •1      | •7         | 2.6   | 1.2      | • 2    |          |            |      | Ĭ           |                                              |       |                |         |             |          |    | 353          | 353        | 447           |       |
| 34/ 33               | •0       | 3       | 1.1        | 2.4   | .9       | • 0    |          |            |      |             |                                              |       |                |         |             |          |    | .353         | 353        | 503           |       |
| 32/ 31               | . 1      | • 7     | 1.8        | 1.5   | , 5      |        | İ        |            |      |             |                                              |       |                |         |             | 1        |    | 343          | 343        | 453           | 1     |
| 30/ 29               | .1       |         | 2.3        | 1.3   | • 2      |        |          |            |      |             |                                              |       |                |         |             |          |    | 365          | 365        | 540           | 3     |
| 28/ 27               | .3       | 1.7     | 2.8        | • 6   | •0       |        | l        | į          |      |             | 1                                            | ŀ     |                |         |             |          |    | 405          | 405        | 580           | 3     |
| 26/ 25               | 4        | 1.7     | 2.4        | • 2   |          |        |          |            |      |             | $\longrightarrow$                            |       | •              |         | <del></del> | <u> </u> |    | 351<br>321   | 351<br>321 | 472<br>481    | 4     |
| 24/ 23               | .4       | 2.2     | 1.7        | •0    |          |        | l        | ŀ          |      |             |                                              |       |                |         |             |          |    | 316          | 316        | 450           | 6     |
| 22/ 21<br>20/ 19     | •6       |         | 1.1        |       |          |        |          |            |      |             | <del></del> -∤                               |       |                |         |             |          |    | 265          | 270        | 339           | 6     |
| 20/ 19<br>18/ 17     | .3<br>.6 | 2.8     | • 4<br>• 2 |       | ٠.       | 1.     |          |            |      |             | - 1                                          |       |                |         |             |          |    | 208          | 210        | 307           | 5     |
| 16/ 15               | • 5      | 1.9     | • 2        |       |          | 7.     |          |            |      |             |                                              |       |                |         |             | i-       |    | 193          | 195        | 228           | 3     |
| 14/ 13               | .6       | 1.3     | . 0        | ,     |          | ,      |          |            |      |             | 1                                            | 1     |                |         |             |          |    | 150          | 150        | 196           | 5     |
| 12/ 11               | • 5      | 1.3     | • 0        | 7     |          |        |          |            |      |             | $\neg \uparrow$                              |       |                |         | <del></del> |          |    | 141          | 144        | 134           | 3     |
| 10/ 9                | 1.0      | 1.7     |            |       |          |        | -        | 1          |      |             |                                              | 1     |                |         |             |          |    | 205          | 207        | 206           | 3     |
| 8/ 7                 | 1.0      |         |            |       |          |        |          |            |      |             |                                              |       |                |         |             |          |    | 145          | 145        | 174           | 3     |
| 6/ 5                 | .7       | .7      |            |       |          |        |          |            |      |             |                                              |       |                |         |             |          |    | 100          | 101        | 99            | 1     |
| 4/ 3                 | • 7      | 1.1     |            |       |          |        |          |            |      |             |                                              |       |                |         |             |          |    | 132          | 132        | 115           | 1     |
| 2/ 1                 | .4       | . 8     |            |       |          |        |          |            |      |             |                                              |       |                |         |             |          |    | 92           | 95         | 108           | 1     |
| 0/ -1                | 1.2      | • 2     |            |       |          |        |          |            |      |             | İ                                            |       |                |         |             | 1        |    | 109          | 112        | 133           | 1     |
| -2/ -3               | 1.4      |         |            |       |          | لــــا |          |            |      | ليليا       |                                              |       |                | L       | <u> </u>    |          |    | 145          | 147        | 149           | L     |
| Element (X)          |          | Σχί     |            |       | z X      |        | X        | <u> </u>   |      | No. Obs     | <u>.                                    </u> |       |                |         |             |          |    | h Temperatu  |            |               |       |
| Rel. Hum.            |          |         |            |       |          | +      |          | -          |      |             |                                              | ± 0 F | <del>- -</del> | 32 F    | ≥ 67        | F * 73   | F  | ≥ 80 F       | ≥ 93 F     | <del></del> - | Total |
| Dry Bulb<br>Wet Bulb |          |         |            |       |          |        |          |            | l_   |             |                                              |       |                |         | ļ           |          |    | <del> </del> |            |               |       |

28th 0-26-5 (OLA) REVISED MEYIOUS EDITIONS OF TAIL

SAFETAC 100

# **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION                    | MA   | LMST         | ROM          | AFB<br>s       | MT/G           | KEAT     | FAL            | L.S      |             | <u>67-</u>                                       | 76           |               | -      | YE          | ARS          |              |                 |                                                  |                                                  | DE       |                 |
|------------------------------------|------|--------------|--------------|----------------|----------------|----------|----------------|----------|-------------|--------------------------------------------------|--------------|---------------|--------|-------------|--------------|--------------|-----------------|--------------------------------------------------|--------------------------------------------------|----------|-----------------|
|                                    |      |              |              |                |                |          |                |          |             |                                                  |              |               |        |             |              |              |                 | PAGE                                             | 2                                                | HOURS (  | . L<br>.: S. T. |
| Temp                               |      | ,            | ,            | ,              |                |          | BULB 1         |          |             |                                                  |              |               |        |             |              |              | Ţ               | TOTAL                                            |                                                  | TOTAL    |                 |
| (F)                                | 00   | 1 - 2        | 3 - 4        | 5 - 6          | 7 - 8          | 9 - 10   | 11 - 12        | 13 - 14  | 15 - 16     | 17 - 18                                          | 19 - 20      | 21 - 22       | 23 - 2 | 4 25 - 26   | 27 - 28      | 29 - 3       | 0 ≥ 31          | D.B./W.B.                                        |                                                  |          |                 |
| -4/ -5                             | 8    |              |              | ļ              |                |          |                |          |             | ļ                                                |              |               |        | 1           |              |              | -               | 69                                               | 71<br>8シ                                         | 77       | 9<br>8          |
| -6/ -7<br>-8/ -9                   | 1.1  | •0           |              | <u> </u>       |                |          |                |          |             | ļ                                                |              |               |        |             |              |              | <del> </del>    | 100                                              | 100                                              | 101      | 13              |
| 10/-11                             | .7   | ••           |              |                |                |          |                |          |             |                                                  |              |               |        |             |              |              |                 | 53                                               | 53                                               | 53       | 9               |
| 12/-13                             | .3   |              |              | ļ              |                |          |                |          |             | <del>                                     </del> | <u> </u>     |               |        | <del></del> |              |              |                 | 23                                               | 23                                               | 23       | 6               |
| 14/-15                             | . 4  |              |              |                |                |          |                |          |             | 1                                                |              |               |        |             |              |              |                 | 28                                               | 28                                               | 28       | 8               |
| 16/-17                             | - 4  |              |              | <del> </del> - |                |          |                |          |             | <del>                                     </del> |              |               |        |             | <del> </del> |              | †               | 31                                               | 31                                               | 31       | 7               |
| 18/-19                             | • 3  | )            |              | İ              |                |          |                |          |             |                                                  |              |               |        |             |              |              |                 | 22                                               | 22                                               | 22       | 6               |
| 20/-21                             | • 2  |              |              |                |                | •        |                |          |             | <del></del>                                      |              |               |        |             |              |              | 1               | 18                                               | 18                                               | 18       | 3               |
| 22/-23                             | . 2  |              |              |                |                |          |                |          |             | <u> </u>                                         |              |               |        |             |              |              | 1               | 13                                               | 13                                               |          | 1               |
| 24/-25                             | • 3  | 1            |              |                |                | i ·      |                |          |             |                                                  |              |               |        |             |              |              |                 | 23                                               | 23                                               | 1 -      | 2               |
| 26/-27                             | • 2  |              |              | !<br>          |                |          |                |          |             |                                                  |              |               |        |             |              |              |                 | 12                                               | 12                                               | <u> </u> |                 |
| 28/-27                             | • 1  |              |              |                | .              | , ,      | 1              |          |             |                                                  |              |               |        |             |              |              | į               | 6                                                | 6                                                | 6        | 1               |
| 30/-31                             | • 1  |              | <u>!</u>     | ļ              |                |          | ļ              |          |             | <del> </del>                                     |              |               |        | ļ           |              |              | <del> </del>    | 5                                                | 5                                                | 5        | i               |
| 32/-33                             | •1   |              | ĺ            |                |                |          |                |          |             |                                                  |              |               |        |             |              |              | ì               | 9                                                | 9                                                |          | Ţ               |
| 34/-35                             | •0   |              | <del> </del> |                |                |          |                |          |             |                                                  | <b> </b>     | <b>  </b>     |        | <u> </u>    |              | <u> </u>     |                 | 3                                                | 3                                                |          | 1               |
| 36/-37                             | •0   |              |              |                |                |          |                |          |             |                                                  | ļ            |               |        | .           |              |              |                 | 3                                                | 3                                                | 3        | 1               |
| 38/ <b>-</b> 39<br>40/ <b>-</b> 41 | •1   |              | <u> </u>     |                |                |          | <del> </del>   |          |             |                                                  |              | <b>  </b>     |        | - <b>i</b>  |              | <del> </del> | ╂               | 6                                                | - 3                                              | 6        |                 |
| 42/-43                             | .0   |              |              | }              | İ              |          |                |          |             |                                                  | 1            |               |        |             |              | 1            |                 | 3                                                | 3                                                | 3        |                 |
| 44/-45                             | •0   |              |              | <del> </del>   |                |          | <del> </del>   |          |             | <del> </del>                                     | <del> </del> | <del>  </del> |        |             | -            |              | <del>- </del> - | +                                                | - <del>- í</del>                                 | 1        |                 |
| 46/-47                             | •    |              |              |                |                | 5        |                |          |             |                                                  |              |               |        |             |              |              | İ               | 1                                                | •                                                | ^        |                 |
| 48/-49                             |      |              |              |                | ·              | :        |                |          |             |                                                  | <b></b>      |               |        | -           |              |              | 1               |                                                  |                                                  |          |                 |
| 50/-51                             |      | l            |              | ļ              | ļ              |          |                |          |             |                                                  | ]            | j             |        |             | ]            |              | 1               |                                                  |                                                  |          |                 |
|                                    | 17.9 | 26.1         | 16.8         | 15.5           | 12.0           | 6.5      | 3.1            | 1.6      | .4          | .2                                               | .1           | •0            |        |             |              |              |                 | 1                                                | 7438                                             |          | 741             |
|                                    |      |              |              |                |                |          |                | Ì        |             |                                                  | L            |               |        |             |              |              |                 | 7413                                             |                                                  | 7413     |                 |
|                                    |      |              |              | l              | Ī .            |          |                |          |             |                                                  |              |               |        |             |              |              |                 |                                                  |                                                  |          |                 |
|                                    |      |              | <u> </u>     |                | <u> </u>       | ļ        |                |          |             | ļ                                                | <u> </u>     |               |        |             | L            |              | <del> </del>    | <del>                                     </del> |                                                  |          |                 |
| İ                                  |      |              |              |                |                | İ        | 1              |          |             |                                                  |              |               |        |             |              |              |                 |                                                  |                                                  |          |                 |
|                                    |      |              | <u> </u>     |                | <u> </u>       | <u> </u> | <del> </del> - |          | <u> </u>    | <del>!</del>                                     | <u> </u>     | <u> </u>      |        |             |              |              |                 | <del>                                     </del> |                                                  |          |                 |
|                                    |      |              |              |                |                |          | }              |          |             | 1                                                |              |               |        |             | 1            |              |                 |                                                  |                                                  |          |                 |
|                                    |      | <del> </del> | <del> </del> | <del> </del>   | <del> </del>   | <b> </b> | <del> </del> - | ļ        | <b> </b> -  | <del> </del>                                     | <del> </del> |               |        |             | ļ            | <u> </u>     | <del> </del>    | ╀┈┤                                              | <del></del>                                      |          |                 |
| Ì                                  |      |              |              | 1              |                | 1        |                |          |             |                                                  |              |               |        |             |              |              |                 |                                                  |                                                  |          |                 |
| Element (X)                        |      | ZX2          | L            | <del> </del>   | Z <sub>X</sub> |          | X              | <b>₹</b> | <del></del> | No. Ol                                           | <u> </u>     | L             |        |             | Mean h       | No. of       | Hours wit       | h Temperati                                      | ut e                                             | l        |                 |
| Rel. Hum.                          |      |              | 4522         |                | 4632           |          |                | 17.1     |             |                                                  | 13           | ± 0 1         | -      | = 32 F      | ≥ 67         |              | ≥ 73 F          | 2 80 F                                           | × 93                                             | F        | Total           |
| Dry Bulb                           |      | 697          | 9473         | <del> </del>   | 1887           | 05       | 25.4           | 17.1     | 68          |                                                  | 38           |               |        | 452.8       |              | <del>-</del> |                 | † · · · ·                                        | 1                                                |          | 74              |
| Wet Bulb                           |      |              | 4076         |                | 1590           |          | 21.5           |          |             |                                                  | 13           |               |        | 571,2       |              | _            |                 | 1                                                | <del>                                     </del> |          | 74              |
| Dew Point                          |      |              | 6216         |                | 976            |          | 13.2           |          |             |                                                  | 13           | 110           | 9      | 730,6       |              |              |                 | <del> </del> -                                   | 1                                                |          | 74              |

## **PSYCHROMETRIC SUMMARY**

| 4112<br>STATION |                | MSTR  |               |       | TION NA  |          |          |         |           |          | 7       |         |         | YEA     | RS        |         |      |            |             | МО                                    | NTH       |
|-----------------|----------------|-------|---------------|-------|----------|----------|----------|---------|-----------|----------|---------|---------|---------|---------|-----------|---------|------|------------|-------------|---------------------------------------|-----------|
|                 |                |       |               |       |          |          |          |         |           |          |         |         |         |         |           |         |      | PAGE       | : 1         | HOURS (                               | <b>LL</b> |
| Temp            |                |       |               |       |          | WET      | BULB T   | EMPER   | ATURE     | DEPRES   | SION (I | -)      |         |         |           |         |      | TOTAL      |             | TOTAL                                 |           |
| (F)             | 0              | 1 - 2 | 3 - 4         | 5 - 6 | 7 - 8    | 9 - 10 1 | 1 - 12   | 13 - 14 | 15 - 16   | 17 - 18  | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 2 | 29 - 30 | ≥ 31 | D.B. W.B.  | Dry Bulb    | Wet Bulb                              | Dew F     |
| 06/105          |                |       |               |       |          |          |          |         |           |          |         |         |         |         |           |         | •0   | 1          | 1           |                                       |           |
| 04/103          | 1              |       |               | - 1   | - !      | -        |          | ŀ       | -         | ļ        | j       | į       |         | i       |           | İ       | •0   | 6          | 6           | ĺ                                     |           |
| 2/101           |                |       |               |       |          |          |          |         |           |          |         |         |         |         |           |         | •0   | 5          | 5           |                                       |           |
| 0/ 99           |                | ļ     | -             | -     | 1        |          |          | İ       |           |          | - 1     | -       | 1       | 1       | - 1       |         | •0   | 13         | 13          | 1                                     |           |
| 8/ 97           |                |       |               |       |          |          |          | i       |           |          |         | i       |         |         |           |         | •0   | 20         | 20          |                                       |           |
| 6/ 95           | 1              | 1     |               | -     | - 1      |          | i        | i       |           |          | i       |         | j       | - 1     | ļ         | .0      | •1   | 52         | 52          | 1                                     |           |
| 4/ 93           |                |       |               |       | -+       |          |          |         |           |          |         |         | .0      | •0      | •0        | .0      | •1   | 139        | 139         |                                       |           |
| 2/ 91           | 1              |       |               |       | <b>,</b> |          | ]        |         |           |          |         |         |         | •0      | .0        | .0      | • 2  | 225        | 225         | l                                     | 1         |
| 0/ 89           |                |       | <del></del> † | -     | :: 1     |          |          |         |           | •0       | •0      | •0      | •0      | •0      | •1        | •1      | • 1  | -300       | 300         | · · · · · · · · · · · · · · · · · · · | 1         |
| 8/ 87           | 1              |       |               |       |          | 1        | 1        | .0      |           | .0       | .0      | •0      | .0      | •1      | .1        | .1      | • 1  | 414        | 414         | 1                                     |           |
| 6/ 85           | <del>- i</del> |       | -             |       |          |          |          |         | •0        | .0       | •0      | • 1     | • 1     | •1      | .1        | •1      | •1   | 475        | 475         |                                       | 1         |
| 4/ 83           |                |       |               | l     |          | - 1      | •0       | - 1     | .0        | .0       | .1      | .ī      | 1       | . 2     | i         | .1      | •0   | 632        | 632         |                                       |           |
| 2/ 81           |                |       |               | - +   | •0       | •0       | •0       | •0      | •0        | •0       | •1      | •2      | •2      | •2      | •1        | •1      | •0   | 873        | 873         | i                                     | $\vdash$  |
| 0/ 79           |                |       | 1             | •0    | .0       | •0       | .0       | .0      | . 1       | .1       | .2      | • 2     | . 2     | • 2     | .1        | .0      | •0   | .991       | 991         | 1                                     |           |
| 8/ 77           | <del></del> -  |       |               | •0    | •0       | •0       | .0       | •0      | .1        | • 2      | .2      | •2      | • 2     | •1      | 1         | .0      |      |            | 1005        | <b>—</b>                              | -         |
| 16/ 75          |                | 1     | •0            | • 0   | .0       | •0       | .0       | . 1     | . 2       | .3       | .2      | . 3     | .2      | .1      | .0        | .ol     |      | 1175       | 1175        | 1                                     |           |
| 74/ 73          | <u>i</u>       |       | •0            | •0    | •0       | •0       | •0       | •1      | •3        | .3       | .3      | •2      | •1      | •0      | •0        |         |      |            | 1294        | 5                                     | $\vdash$  |
| 12/ 71          | i              | -     | .0            | .0    | ,0       | •0       | .1       | . 2     | .3        | .3       | .3      | • 2     | 1       | •0      | ••        | 1       |      | 1446       | 1447        | 14                                    | 1         |
| 70/ 69          | <del></del>    |       | •0            | •0    | •0       | •1       | • 2      | • 3     | •3        | . 4      | .3      | • 2     | • 1     | •0      |           |         |      | 1739       | 1741        | 29                                    |           |
| 8/ 67           |                | •0    | •0            | .0    | 1        | . 2      | .3       | .3      | .4        | .3       | .2      | 1       | .0      | •0      |           |         |      |            | 1719        | 52                                    |           |
|                 |                |       |               |       | -1       |          | .4       | •4      | .4        | • 4      | •2      |         | •0      | - 70    |           |         |      | 1988       | 1989        |                                       |           |
|                 | 1              | • 9   | • 0           | .0    | . 2      | • 2      | .5       | .5      | .5        | .4       | .1      | •1      | •0      | i       | - 1       |         |      | 2519       | 2520        | 499                                   |           |
|                 |                | •0    | • 1           |       | .3       | •4       | - 5      | •5      | • 4       | • 7      |         | •0      | •0      |         |           |         |      | 2380       | 2380        | 1038                                  |           |
|                 | į              |       | • 1           | • 2   |          | .5       | .5       |         |           |          | •1      |         |         |         | 1         |         |      |            | 2509        |                                       |           |
| 50/ 59          |                | •0    | • 1           | .3    | • 5      |          |          | •4      | . 4       | •1       | •0      | •0      |         |         |           |         |      |            | 2818        |                                       |           |
| 8/ 57           | 1              | • 1   | • 2           | • 4   | , 5      | • 6      | • 5      |         | •3        | • 1      | •0      |         |         | l       |           |         |      |            | 3237        | 3111                                  |           |
| 6/ 55           |                | • 1   | • 4           | .5    | , g      | •7       | <u> </u> | • 5     | • 3       | • 1      | •0      |         |         |         |           |         |      | 3252       | 3252        |                                       |           |
| 4/ 53           | أ۔             | • 2   | • 5           | • 5   | •6       | +8       | • !      | •4      | • 2       | • 0      | • 0     |         |         |         | ļ         |         |      | 1          | 3205        |                                       | , ,       |
| 2/ 51           | <u>• g</u>     | .2    | .5            | .5    | - 6      | • 7      | .6       | .4      | <u>•1</u> | •0       |         |         |         |         |           |         |      | 3205       |             |                                       |           |
| 0/ 49           | •0             | • 2   | •6            | • 5   | • 7      | • 7      | . 5      | • 3     | • 1       | •0       |         |         |         |         |           |         |      | 3165       |             | 4193                                  |           |
| 8/ 47           |                | .3    | • 6           | •7    | • 7      | ,8       | • 5      | • 2     | •0        | $\vdash$ |         |         |         |         |           |         |      | 3323       | 3324        |                                       |           |
| 6/ 45           | • 9            | • *   | • 5           | . 8   | 1.3      | • 9      | • 5      | • 1     | •0        |          |         | 1       |         |         | - 1       | ļ       |      | 3992       |             | 4306                                  |           |
| 4/ 43           | -0             | .4    | - 5           | 1.0   | 1.0      | • 8      | .3       | •0      |           |          |         |         |         |         |           |         |      | 3457       | 3457        |                                       |           |
| 42/ 41          | •9             | • 4   | • 6           |       | •9       | • 5      | • ?      | .0      |           |          |         |         |         | ĺ       |           |         |      | 3144       |             | 4142                                  |           |
| 40/ 39          | •0             | .4    | 1.0           |       |          | • 4      | . •1     |         |           |          |         |         |         |         |           |         |      | 3680       |             | 4143                                  | 35        |
| lement (X)      |                | C X 2 |               |       | χ́       |          | X        | ″x      |           | No. Obs  | ·       |         |         |         |           |         |      | h Temperat | <del></del> |                                       |           |
| el. Hum.        |                |       |               |       |          |          |          |         |           |          |         | ± 0 1   |         | 32 F    | ≥ 67      | F 2     | 73 F | ≥ 80 F     | ≥ 93        | F                                     | Total     |
| ry Bulb         |                |       | ]             |       |          |          |          |         |           |          |         |         |         |         |           |         |      |            |             |                                       |           |
|                 |                |       |               |       |          |          |          |         |           |          |         |         |         |         |           |         |      |            |             |                                       |           |

5.5 (OLA) REVISED MEYIOUS EDITIONS OF THIS FORM ATE OISOLETE

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(C roth 0.26-5 (0

# PSYCHROMETRIC SUMMARY

| 4112<br>STATION  | MALI       | 15 T F | ROM        |             | MT/G          |               | FAL      | LS          | <u>67.</u>     | -77                                              |                                        |         | Y            | ARS                | <del>-</del> |             |            |              | L L<br>NTH              |
|------------------|------------|--------|------------|-------------|---------------|---------------|----------|-------------|----------------|--------------------------------------------------|----------------------------------------|---------|--------------|--------------------|--------------|-------------|------------|--------------|-------------------------|
|                  |            |        |            |             | •             |               |          |             |                |                                                  |                                        |         |              |                    |              | PAG         | E 2        |              | <b>. L</b><br>L. S. T.) |
| Temp             |            |        |            |             |               | WET           | BULB T   | EMPERAT     | URE DEPR       | ESSION                                           | (F)                                    |         |              |                    |              | TOTAL       |            | TOTAL        |                         |
| (F)              |            | - 2    | 3 - 4      | 5 - 6       | 7 - 8         |               | _        | 13 - 14 15  | - 16 17 - 11   | 19 - 20                                          | 21 - 22                                | 23 - 24 | 25 - 26      | 27 - 28 29         | - 30 2 31    | <del></del> | Dry Bulb   |              |                         |
| 38/ 37           | • 1        | - 5    | 1.0        | 1.2         | • 7           | • 2           | •0       |             |                |                                                  |                                        |         |              |                    | 1            | 3180        |            | 4510         |                         |
| 36/ 35<br>34/ 33 | • 1        | .7     | 1.1        | 1.1         | .5            | •1            | •0       |             |                | -                                                |                                        |         | <del> </del> | <del> </del>       |              | 3151        |            | 4693         |                         |
| 32/ 31           | î          | . 8    | 1.1        | . 8         | . 2           | •0            |          | ' [         | 1              | }                                                | 1 1                                    |         |              |                    | !            | 2568        | 2568       | 4559         |                         |
| 30/ 29           | • 2        | .9     | 1.1        | • 5         | .1            |               |          |             | _              | <del>                                     </del> |                                        |         |              |                    | -+-          | 2405        |            | 4074         | 5044                    |
| 28/ 27           | .2 ]       | 1.0    | 1.1        | .3          | .0            |               |          |             |                |                                                  |                                        |         |              |                    |              | 2345        | 2345       | 3528         |                         |
| 26/ 25           |            | 1.0    | - 8        | • 1         |               |               |          |             |                | 1                                                |                                        |         | ]            |                    |              | 1856        | i          | 2815         |                         |
| 24/ 23           |            | 1.0    | • 5<br>• 3 | - <u>•0</u> |               |               |          |             |                | <b>├</b> ──                                      | <del>  </del>                          |         | <b></b> _    | <del>  -</del> -   |              | 1326        | 1545       | 2557         | 4584                    |
| 20/ 19           |            | 1.0    | • 2        | •0          | •0            |               |          |             |                |                                                  |                                        |         |              |                    |              | 1226        | 1326       | 1929<br>1478 |                         |
| 8/ 17            | • 2        | • 7    | •1         |             |               |               |          |             | $\dashv$       | +-                                               | $\vdash$                               |         | <del> </del> |                    |              | 935         | 940        | 1267         |                         |
| 6/ 15            | • 2        | •6     | • 1        | •0          |               |               |          |             |                |                                                  |                                        |         |              |                    |              | 826         | 830        | 1004         | 326                     |
| 14/ 13           | • 3        | • 5    | • 0        |             |               |               |          | Ī           |                |                                                  |                                        |         |              |                    |              | 719         | 728        | 831          | 251                     |
| 12/ 11           | 3          | • 5    | •0         |             |               |               |          | _           |                |                                                  | <del>  </del>                          |         | <u> </u>     |                    |              | 720         | 725<br>780 | 730<br>750   | 200                     |
| 10/ 9<br>8/ 7    | • 3        | -6     | •0         |             |               |               |          |             |                |                                                  |                                        |         |              |                    |              | 599         | 613        | 683          |                         |
| 6/ 5             | • 2        | •4     | •0         |             | <del></del> - |               |          |             |                | <del>                                     </del> | +                                      |         | <del> </del> | <del> </del>       |              | 497         | 505        | 535          | 80                      |
| 4/ 3             | . 2        | . 5    | • 0        |             |               |               |          |             |                |                                                  |                                        |         |              |                    |              | 581         | 593        | 521          | 71                      |
| 2/ 1             | • 2        | • 5    |            |             |               |               |          |             |                |                                                  |                                        |         |              |                    |              | 591         | 608        | 621          | 534                     |
| 0/ -1            | <u>• 5</u> | . 1    |            |             |               |               | ļ        |             | _              | <del> </del>                                     |                                        |         |              | $\vdash$           |              | 516         | 528        | 666          | 48                      |
| -2/ -3<br>-4/ -5 | • 3        | .2     | 1          |             |               |               |          |             |                |                                                  |                                        |         |              |                    |              | 419         | 424<br>355 | 449<br>370   | 55i                     |
| -6/ -7           | •3         | .1     |            |             |               |               |          |             | <del>-  </del> | +                                                | <del>  </del>                          |         |              | +-+-               |              | 364         | 365        | 375          | 45                      |
| -8/ -9           | . 4        | .0     |            |             |               |               |          |             |                |                                                  |                                        |         | 1            |                    |              | 392         | 392        | 419          | 51                      |
| 10/-11           | • 4        | • 0    |            |             |               |               |          |             |                | 1                                                |                                        |         |              |                    |              | 320         | 321        | 316          | 39                      |
| 12/-13           | .3         | •0     |            |             |               |               |          |             |                | ļ                                                | 1_1                                    |         |              |                    |              | 234         | 234        | 241          | 35                      |
| 14/-15           | • 2        | 1      |            |             |               |               |          |             |                | 1                                                |                                        |         | 1            |                    |              | 203         | 203        | 203          | 34:                     |
| 16/-17<br>18/-19 | -1         |        |            |             |               |               |          |             |                | +                                                | ╁──┤                                   |         |              |                    |              | 103         | 103        | 103<br>98    | 26°                     |
| 20/-21           | .2         | 1      | - 1        | 3           | 1             |               |          |             |                | 1                                                | 1 1                                    |         | ł            |                    |              | 146         |            | 146          | 24                      |
| 22/-23           | •1         |        |            |             |               |               |          |             |                | 1                                                | 1                                      |         |              |                    |              | 82          | 82         | 82           | 219                     |
| 24/-25           | -1         |        |            |             | ·             |               | <u> </u> |             |                |                                                  |                                        |         |              |                    |              | 77          | 77         | 77           | 170                     |
| 26/-27           | • 1        |        |            | Y           | :             |               |          |             | -              | 1                                                | j                                      |         |              |                    |              | 49          |            | 49           | 170                     |
| 28/-29           | • Q<br>Σ,  |        |            |             | Z X           |               | X        | <u>-</u> -  | No. 0          | <u> </u>                                         | اـــــــــــــــــــــــــــــــــــــ |         | <u> </u>     | Maga Na            | of Hours wit | 34          | 35         | 34           | 12:                     |
| el. Hum.         |            |        |            |             |               |               | ^        |             | No. 0          | DS.                                              | ± 0 f                                  | :   -   | 32 F         | Mean No.<br>≥ 67 F | 2 73 F       | h lempera   | 2 93       | F            | Total                   |
| Dry Bulb         |            |        |            |             |               | $\neg \vdash$ |          | <del></del> | <del> </del>   |                                                  |                                        | +       |              |                    | 1 - 13 -     | 1           | 1 - /3     | <del></del>  |                         |
| Ver Bulb         |            |        |            |             |               |               |          |             |                |                                                  |                                        |         |              |                    |              |             |            |              |                         |
| ow Point         |            |        |            |             |               |               |          |             |                |                                                  |                                        |         |              |                    |              |             |            |              |                         |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

24112

MALMSTROM AFB MT/GREAT FALLS
STATION HAME

# **PSYCHROMETRIC SUMMARY**

|            |     |            |              |                                                  |              |              |           |         |         |         |         |            |         |         |                |               | <del></del>                                      | PAGE               | : <i>3</i><br> | HOURS (           |                |
|------------|-----|------------|--------------|--------------------------------------------------|--------------|--------------|-----------|---------|---------|---------|---------|------------|---------|---------|----------------|---------------|--------------------------------------------------|--------------------|----------------|-------------------|----------------|
| Temp. [    | 0   | 1 - 2      | 3-4          | 5 - 6                                            | 7 0          |              | BULB T    |         |         |         |         |            | 22 24   | 25 26   | 27 20          | 29 20         | > 21                                             | TOTAL<br>D.B./W.B. | Dev. Bulh      | TOTAL<br>Wet Bulb | Daw Pa         |
| 30/~31     | •0  | 1 - 2      | 3            | 3.6                                              | ···          | 9 - 10       | 11 - 12   | 13 - 14 | 13 - 10 | 1/ - 18 | 19 - 20 | 21 - 22    | 23 - 24 | 23 - 20 | 27 - 28        | 29 - 30       | 231                                              | 21                 | 21             | 21                | 80             |
| 32/-33     | .d  |            | ) [          |                                                  |              |              | ] [       | }       | Ì       | 1       | 1       | ļ          |         |         | - 1            |               |                                                  | 24                 | 25             | 24                | 7              |
| 34/-35     | •0  |            |              |                                                  |              |              |           |         |         |         |         |            |         |         |                |               |                                                  | 9                  | 9              | 9                 | 4              |
| 6/-37      | .0  |            |              |                                                  |              |              |           |         |         |         |         |            |         |         |                |               |                                                  | 3                  | 3              | 3                 | 3              |
| 8/-39      | • 0 |            |              | •                                                | ,            |              |           | ļ       | Ì       | 1       |         |            |         |         | - 1            |               |                                                  | 3                  | 3              | 3                 | Ž              |
| 0/-41      | •0  |            |              | <u> </u>                                         |              |              |           |         |         |         |         |            |         |         |                |               |                                                  | 6<br>3             | 3              | 6                 | - <del>1</del> |
| 4/-45      | .0  |            | 1            | •                                                | ,<br>        | ļ            |           |         | }       | 1       | 1       |            |         |         | 1              |               |                                                  | 1                  | í              | 1                 | ļ              |
| 6/-47      |     |            |              | <del>:</del>                                     |              |              | <u> </u>  |         |         |         |         |            |         |         | $\overline{}$  |               |                                                  |                    |                |                   |                |
| 8/-49      |     |            | 1            |                                                  |              |              | ]]        |         |         | 1       |         |            |         |         |                |               |                                                  |                    |                |                   |                |
| 0/-51      |     |            |              |                                                  |              |              |           |         |         |         |         |            |         |         |                |               |                                                  |                    |                |                   |                |
| ITAL       | 7.5 | lo.        | 114-1        | 13.0                                             | 10.9         | 9•1          | 7.0       | 5.4     | 4.2     | 3.2     | 2.4     | 1.9        | 1.4     | 1.1     | .8             | • 5           |                                                  | 37531              | 7662           | 37531             | 3753<br>~      |
|            |     |            |              |                                                  |              |              |           |         |         |         |         |            |         |         |                |               |                                                  |                    |                |                   |                |
|            |     |            | <del> </del> | ·                                                |              |              |           |         |         |         |         |            |         |         |                | <del></del> - | <del> </del>                                     |                    |                |                   |                |
|            |     |            | ļ            |                                                  |              |              |           |         |         |         |         |            |         |         | -              |               |                                                  |                    |                |                   |                |
| -          |     |            |              |                                                  | <u> </u>     | ļ            |           |         |         |         |         |            |         |         | •              |               |                                                  |                    |                |                   | !              |
|            |     |            |              | <del></del>                                      |              |              |           |         |         |         |         |            |         |         |                |               |                                                  |                    |                |                   |                |
|            |     |            | <del> </del> |                                                  |              |              |           |         |         |         |         |            |         |         |                |               | <del> </del> -                                   |                    |                |                   |                |
|            |     |            |              |                                                  |              |              |           |         |         |         |         |            |         |         |                |               |                                                  |                    |                |                   |                |
|            |     |            |              |                                                  |              |              |           |         |         |         |         | i          |         |         |                |               |                                                  |                    |                |                   |                |
|            |     |            |              |                                                  |              | <u> </u>     |           |         |         |         |         |            |         |         |                |               |                                                  |                    |                |                   |                |
|            |     |            | <del> </del> | <del>,                                    </del> | <del> </del> | <del> </del> |           |         |         |         |         |            |         |         |                |               | <del> </del>                                     |                    |                |                   |                |
|            |     | •=-        | <u> </u> .   |                                                  | <u></u>      |              |           |         |         |         |         |            |         |         |                | ·             |                                                  |                    |                |                   |                |
|            |     |            |              |                                                  |              | !            |           |         |         |         |         |            |         |         |                |               |                                                  | }                  |                |                   |                |
|            |     |            | 1-           |                                                  | -            | -            |           |         |         |         |         |            |         |         |                |               | <del>                                     </del> | <del> </del>       | <u> </u>       |                   |                |
|            |     | T 2        |              |                                                  | <u> </u>     |              | <u> </u>  |         |         | No. Ob  |         |            | L       |         |                |               |                                                  | <u> </u>           |                |                   |                |
| lement (X) |     | Σχ'<br>035 | 01144        |                                                  | 2 x<br>8227  | 92           | 7<br>55.1 | 20.7    | 96      | 875     |         | <b>± 0</b> | F T     | 32 F    | Meon N<br>≥ 67 |               | = 73 F                                           | > 40 F             | ≥ 93 !         | .                 | Total          |
| ry Bulb    | 2   | 106        | 30192        | <b>*</b>                                         | 8398         | 32           | 44.0      | 21.5    | 42      | 876     | 62      |            |         |         | 232            | 7 7           |                                                  | 360.               |                |                   | 876            |
| et Bulb    | I   | 372        | 83315        | 3                                                | 1597         | 01           | 36.1      | 16.2    | 89      | 8'13    | 31      | 370        | .481    | 62.1    | 10             |               | •5                                               |                    | 1              |                   | 876            |
| lew Point  |     | 826        | 66085        | 2                                                | 3187         | 49           | 26.5      | 15.5    | 78      | 875     |         | 538        | .955    | 80.1    | 2              | .0            |                                                  | I                  | 1              |                   | 876            |

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### **MEANS AND STANDARD DEVIATIONS**

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24112 MALMSTROM AFB MT/GREAT FALLS 67-77

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| STATION      |           |        | STATE                                 | ON NAME |        |             |        |       |          | YEARS   |          |        |       |        |
|--------------|-----------|--------|---------------------------------------|---------|--------|-------------|--------|-------|----------|---------|----------|--------|-------|--------|
| IRS ILSTI    |           | JAN    | FE#                                   | MAR     | APR    | MAY         | NUL    | JUL   | AUG      | SEP     | ОСТ      | NOV    | DEC   | ANNUAL |
|              | MEAN      | 16.8   | 23.9                                  | 27.8    | 35.7   | 44.7        | 53 • 1 | 58.4  | 58.1     | 48.4    | 39.9     | 30.7   | 23.2  | 38•4   |
| 00-02        | S D       | 20.880 | 14.062                                | 12.471  | 9.363  | 7.390       |        |       | 6.725    | 8.675   | 10,654   |        |       | 18,222 |
|              | TOTAL OBS | 930    |                                       | 930     | 900    | 930         |        |       |          | 900     | 930      | 900    | 930   | 10959  |
|              |           |        |                                       |         |        |             |        |       |          |         |          |        |       |        |
|              | MEAN      | 16.1   | 23.2                                  | 26.7.   | 33.8   | 42.5        | 50.8   | 55.3  | 55.0     | 46.2    | 38.5     | 30.0   | 22.6  | 36.1   |
| 03-05        | S D       | 21.054 | 14.406                                | 12.437  | 8.897  | 6.881       | 7,146  | 6.827 | 6.319    | 8.602   | 10.6071  | 4.0501 | 7.009 | 17.599 |
|              | TOTAL OBS | 930    | 849                                   | 930     | 900    | <u>930</u>  | 900    | 930   | 930      | 900     | 930      | 900    | 930   | 1095   |
|              |           |        |                                       |         |        |             |        |       |          |         |          |        |       |        |
|              | MEAN      | 15.9   |                                       | 27.0    |        |             | 56.4   | 61.1  |          |         |          | 29.8   | 22.5  | 38.    |
| 06-08        | s ø ˈ     | 21.136 | 14.505                                |         | 9.841  | 7.586       | 7.717  | 7.020 |          |         | 11.135)  | 3.930] | 7.007 | 19.33  |
|              | TOTAL OBS | 930    | 849                                   | 930     | 900    | 930         | 900    | 930   | 930      | 900     | 930      | 900    | 930   | 1095   |
|              |           |        |                                       |         |        |             |        |       |          |         | 1        |        |       |        |
|              | MEAN      | 18.2   |                                       |         |        |             |        |       | 70.2     |         | 48.1     |        | 26.1  | 46.4   |
| 09-11        | S D       | 21.562 | 15.939                                | 14.535  | 11.89% | 9.519       | 9,348  | 8.127 | 9.550    | 11.001  | 12.9341  | 4.6651 | 7.281 | 21.96  |
|              | TOTAL OBS | 930    | 849                                   | 930     | 900    | 930         | 900    | 930   | 930      | 900     | 930      | 900:   | 930   | 1095   |
|              |           |        |                                       |         |        |             |        |       |          |         |          | :      |       |        |
|              | MEAN      | 22.0   | 33.3                                  | 39.6    | 49.9   | 60.3        | 69.4   | 77.6  | 76,7     | 65.3    | 54.1.    | 40.7   | 30.6  | 51•    |
| 12-14        |           | 21.788 |                                       |         |        |             |        | 8.605 |          |         | 13.4221  | 4.9651 | 7.596 | 22.79  |
|              | TOTAL OBS | 930    | 849                                   | 930     | 900    | 929         | 900    | 930   | 930      | 900     | 930      | 900.   | 930   | 1095   |
|              |           |        |                                       |         |        |             |        |       |          | <u></u> |          |        |       |        |
|              | MEAN      |        | 33.8                                  | 40.4    |        |             |        |       |          |         | 53.8     |        |       |        |
| 15-17        |           |        |                                       |         |        |             | 10.905 |       |          | 12,381  | 13.3291  | 4.584] |       | 23,420 |
|              | TOTAL OBS | 930    | 849                                   | 930     | - 900  | 930         | 900    | 930   | 930      | 900     | 930      | 899    | 930   | 1095   |
|              |           | ·      |                                       |         |        |             |        |       |          |         |          |        |       |        |
|              | MEAN      | 18.2   |                                       | 34.5    |        | 57.2        | 65 . 8 | 74.8  | 72.5     | 58.8    | 45.6     | 33.2   | 25.0  | 46.    |
| 18-20        | 5 D       |        |                                       |         |        |             |        | 8.796 | 10.348   |         | 11.3241  |        |       | 22.54  |
|              | TOTAL OBS | 930    | 849                                   | 930     | 900    | 930         | 900    | 930   | 930      | 900     | 930      | 897    | 929   | 1095   |
|              |           | !      | <u> </u>                              |         |        |             |        |       |          |         |          |        |       |        |
|              | MEAN      | 17.6   |                                       |         | 39.1   |             |        | 64.1  | 62.7     | 51.5    | 41.3.    | 31.5   | 23.7  | 41.    |
| 21-23        |           |        |                                       |         |        |             |        |       |          | 9.395   | 10.621   |        |       | 19.50  |
|              | TOTAL OBS | 930    | 849                                   | 930     | 900    | 930         | 900    | 930   | 930      | 900     | 930      | 897    | 929   | 1095   |
|              |           |        | · · · · · · · · · · · · · · · · · · · |         |        | <del></del> |        |       | <u> </u> |         | <u> </u> |        |       |        |
| 441          | MEAN      | 13.3   |                                       |         | 42.1   |             | 61.0   | 67.8  | 66.6     | 55.5    | 45.0     |        |       |        |
| ALL<br>HOURS | S D       |        |                                       |         |        |             |        |       |          |         | 13.247   |        |       |        |
|              | TOTAL OBS | 7440   | 6792                                  | 7440    | 7200   | 7439        | 7200   | 7440  | 7440     | 7200    | 7440     | 7193   | 7438  | 8766   |

USAFETAC FORM 0 89.5 (OLA)

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## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24112 MALMSTROM AFB MT/GREAT FALLS

67-77

| STATION      | - ~                      |                       | STAT                   | ION NAME | ···   |       |       |       |       | YEARS |       |        | <del></del> |                      |
|--------------|--------------------------|-----------------------|------------------------|----------|-------|-------|-------|-------|-------|-------|-------|--------|-------------|----------------------|
| IRS IL S T I |                          | JAN                   | FEB                    | MAR      | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | oc:   | NOV    | DEC         | ANNUAL               |
| 00-02        | MEAN<br>S D<br>TOTAL OBS |                       | 11,940                 | 10.376   | 7.252 | 5.850 | 5,625 | 5.391 | 4.870 | 6.310 | 7.689 | 11.236 | 14.385      | 33.<br>15.46<br>1094 |
| 03-05        | MEAN<br>S D<br>TOTAL OBS |                       | 12.324                 | 10.519   | 7.090 | 5.700 | 5,574 | 5.448 | 4.922 | 6.467 | 7.701 | 11,448 | 14.756      | 32<br>15.2<br>109    |
| 06-08        | MEAN<br>S D<br>TOTAL OBS |                       | 12.414                 | 10.840   | 7.534 | 5.760 | 5.381 | 5.074 | 4.875 | 6.630 | 7.923 | 11.278 | 14.718      | 33<br>16.2<br>109    |
| 09-11        | MEAN<br>S D<br>TOTAL OBS |                       | 12.834                 | 10.998   | 7.664 | 5.736 | 5.632 | 4.970 | 4.367 | 6.397 | 7.814 | 11.000 | 14.513      | 37<br>16.7<br>109    |
| 12-14        | MEAN<br>5 D<br>TOTAL OBS | 17.8<br>18.481<br>930 | 12,439                 | 10.033   | 7.607 | 5,643 | 5.668 | 4.849 | 4.086 | 6.413 | 7.491 | 10.645 | 14.049      | 39<br>16.0<br>109    |
| 15-17        | MEAN<br>S D<br>TOTAL OBS |                       | 11,917                 | 9.657    | 7.519 | 5.486 | 5.573 | 4.807 | 3.996 | 6,325 | 7.529 | 10.644 | 13,831      | 39<br>16.1<br>109    |
| 18-20        | MEAN<br>S D<br>TOTAL OBS |                       | 11.653                 | 9.691    | 7.425 | 5.597 | 5.614 | 4.944 | 4.170 | 6.494 | 7.393 | 10.811 | 13.969      | 37<br>16.5<br>109    |
| 21-23        | MEAN<br>S D<br>TOTAL OBS |                       | 11.817                 | 9.804    | 7.222 | 5.531 | 5,515 | 5.102 | 4.570 | 6.447 | 7.477 | 11.100 | 14.025      | 34<br>15.8<br>109    |
| ALL<br>HOURS | MEAN<br>S D<br>TOTAL OSS |                       | 23.2<br>12.440<br>6714 | 10,710   | 8,131 | 6.554 | 6,316 | 6,045 |       | 7.279 | 8.263 |        | 14.418      | 36<br>16.2<br>875    |

USAFETAC FORM 0.89.5 (OLA)

### **MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY GBSERVATIONS

24112

MALMSTROM AFB MT/GREAT FALLS

67-77

STATION

STATION NAME

YE

| IRS II S T H |           | JAN   | FEB       | MAR     | APR   | MAY   | JUN.  | JUL  | AUG.  | SEP   | OCT   | NOV    | DEC    | ANNUAL |
|--------------|-----------|-------|-----------|---------|-------|-------|-------|------|-------|-------|-------|--------|--------|--------|
|              | MEAN      | 6.3   |           |         | 23.9  | 32.9  | 40.5  | 42.3 | 41.2  | 34.7  | 26.7  | 18.5   | 12.4   | 26.0   |
| 00-02        | . 4       |       | 11.830    | - : 1   |       | 7.319 |       |      |       |       |       | 10.549 |        | 15.67  |
|              | TOTAL OBS | 930   | · • •     |         | 900   | 929   | 900   | 930  |       | - 1   | 930   |        | 927    | 1094   |
|              | 10174 000 | 750   |           | ,,,,    | - 700 |       | 740   |      |       |       |       |        |        |        |
|              | MEAN      | 5.9   | 13.2      | 16.9    | 23.3  | 32.2  | 39.8  | 41.9 | 40.8  | 34.2  | 26.3  | 18.2   | 12.1   | 25•    |
| 03-05        |           |       |           | 10.262  |       |       | 6.510 |      |       |       |       | 10.921 |        | 15.71  |
|              | TOTAL OBS | 925   |           |         | 900   | 930   | 900   | 930  |       |       | 930   |        |        | 1093   |
|              | 10171 083 | 762   | 033       | 750     | 700   | 730   | 300   | 730  | 7.00  | 700   | 7.00  | 077    | ,,,,,  |        |
|              | MEAN      | 5.6   | 13.0      | 17.1    | 24.6  | 34.2  | 42.0  | 44.1 | 42.5  | 35.1  | 26.5  | 17.9   | 12.0   | 26.    |
| 06-08        |           |       |           | 10.539  |       |       | 6.476 |      |       |       |       | 10.774 |        | 16.38  |
|              | TOTAL OBS |       |           |         |       | 930   | 900   |      |       |       |       |        |        | 1093   |
|              | TOTAL OBS | 767   | 032       | 7.50    | 700   | 720   | 700   |      | 730   | 700   | 7.00  | 700    | 720    | .0/-   |
|              | MEAN      | 6.8   | 14.7      | 18.6    | 25.3  | 34.3  | 41.8  | 44.1 | 43.2  | 36.7  | 28.3  | 20+0   | 13.5   | 27.    |
| 09-11        | : :       |       | 11.855    |         | 7.363 |       |       |      |       |       |       | 10.155 |        | 15.85  |
| 0,-11        | TOTAL OBS |       |           |         |       | 930   |       |      |       |       |       |        |        | 1094   |
|              | TOTAL OUS | 730   | 040       | ,,,,    | - 700 | 790   | 700   | 790  | 700   | 700   |       | 700    | ,,,,,  |        |
|              | MEAIT     | 8.2   | 15.8      | 18.7    | 24.5  | 33.5  | 40.7  | 42.8 | 41.6  | 35.4  | 27.8  | 20.4   | 15.0   | 27.    |
| 12-14        | !         |       | 10.724    |         |       | 7.523 |       |      |       | 7.121 |       | 9.647  |        | 14.87  |
| 16-17        | TOTAL OBS |       |           |         |       | 929   |       |      |       |       |       |        |        | 1095   |
|              | -         | 724   | 946       |         | 0,7,7 | 76.7  | 700   |      | 740   | 979   |       | 700    |        |        |
|              | MEAN      | 7.9   | 16.2      | 18.5    | 24.0  | 33.2  | 40.3  | 41.6 | 40.7  | 34.5  | 27.5  | 20.0   | 14.4   | 26.    |
| 15-17        | •         |       | 10.382    |         | 7.482 |       | 7.918 |      | 7.560 |       |       | 9.781  |        | 14.76  |
|              | TOTAL OBS |       |           |         |       | 930   |       |      |       |       |       |        |        | 1095   |
|              | 1         |       | 1 349     |         |       | 700   | 7.40  |      |       | 7.0   |       | -      |        | ·      |
|              | MEAN      | 6.9   | 15.5      | 18.5    | 24.5  | 33.9  | 41.7  | 42.5 | 41.1  | 34.9  | 27.3  | 19.1   | 13.3   | 260    |
| 18-20        | 1         |       | 11.110    |         |       |       |       |      |       | 7.422 |       |        | 13.157 | 15.53  |
|              | TOTAL OBS |       |           |         |       | 730   |       |      |       |       |       |        |        | 1093   |
|              |           |       |           |         |       | X.    |       |      |       |       |       | 1      |        |        |
|              | MEAN      | 6.7   | 14.8      | 18.1    | 24.6  | 33.9  | 41.5  | 42.8 | 41.3  | 34.9  | 26.9  | 18.7   | 12.7   | 26.    |
| 21-23        | 1         |       | 11.649    |         |       |       | 7.322 |      |       | 7.259 |       | 10.370 |        | 15.67  |
|              | TOTAL OBS |       |           |         |       | 930   |       |      |       |       |       |        |        | 1092   |
|              | 1         | · · · |           | 1       |       |       |       |      |       |       | 1     | T      |        | ,,,,,  |
|              | MEAN      | 6.8   | 14.6      | 18.0    | 24.3  | 33.5  | 41.0  | 42.8 | 41.5  | 35.0  | 27.2  | 19.1   | 13.2   | 26.    |
| ALL          | S D       |       | 11.556    |         |       | 7.545 |       |      |       | 7.123 |       | 10.354 |        | 15.57  |
| HOURS        | TOTAL OBS |       |           |         |       |       |       |      |       |       |       |        |        | 8753   |
|              |           | 1734  | 2 2 1 4 7 | 1 7 9 9 | 1,00  | 1.730 | LEAD  | 170  | 1706  |       | 1.70/ |        |        |        |

USAFETAC FORM 0.89-5 (OLA)

# RELATIVE HUMIDITY

24112 STATION

MALMSTROM AFB MT/GREAT FALLS

STATION NAME

68-77

JAN

HONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS    |       |       | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY GI | EATER THAN |      |     | MEAN<br>RELATIVE | TOTAL<br>NO. OF |
|-------|----------|-------|-------|-----------|-------------|-------------|-------------|------------|------|-----|------------------|-----------------|
| MONTH | (L S T.) | 10%   | 20%   | 30%       | 40%         | 50%         | 60%         | 70%        | 80%  | 90% | HUMIDITY         | OBS.            |
| JAN   | 00-02    | 100.0 | 100.0 | 99,5      | 95,9        | 87,4        | 62,3        | 30,4       | 12,2 | 4,2 | 64.7             | 930             |
|       | 03-05    | 100.0 | 99.9  | 99.4      | 96.2        | 87.5        | 67.6        | 31.0       | 12.4 | 3.9 | 65.2             | 925             |
|       | 06-08    | 99.9  | 99.9  | 99.5      | 97.0        | 88.5        | 64.5        | 30.9       | 12.1 | 3.3 | 65.1             | 929             |
|       | 09-11    | 100.0 | 100.0 | 98.4      | 93.7        | 80.4        | 60.3        | 26.1       | 9.8  | 3.2 | 62.7             | 930             |
|       | 12-14    | 100.0 | 99.4  | 94.9      | 84.3        | 69.8        | 46.3        | 21.4       | 5.7  | .8  | 57.8             | 930             |
|       | 15-17    | 100.0 | 99.4  | 95,4      | 85.4        | 72.3        | 46.2        | 20.2       | 5.2  | 1.1 | 58.0             | 930             |
|       | 18-20    | 100.0 | 100.0 | 99.2      | 94.1        | 82.5        | 59.8        | 25,3       | 8.2  | 1.3 | 62.6             | 928             |
|       | 21-23    | 100.0 | 100.0 | 99.1      | 95.2        | 84.7        | 59.4        | 26.7       | 9.5  | 2.3 | 63.6             | 928             |
|       |          |       |       |           |             |             |             |            |      |     |                  |                 |
|       |          |       |       |           |             |             |             |            |      |     |                  |                 |
| τo    | PTALS    | 100.0 | 99.8  | 98.2      | ,92.7       | 81.6        | 58.3        | 26.5       | 9.4  | 2.5 | 62.5             | 7430            |

USAFETAC 0-87-5 (OL A)

### **RELATIVE HUMIDITY**

| 24I12<br>STATION | MALMSTROM AFB MT/GREAT FALLS | 68=77  | FEB   |
|------------------|------------------------------|--------|-------|
| STATION          | - STATION NAME               | PERIOD | MONTH |

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS    |       | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |          |      |     | MEAN     | TOTAL<br>NO OF |
|-------|----------|-------|--------------------------------------------------------|-------|-------|------|------|----------|------|-----|----------|----------------|
| MUNIN | (L S T.) | 10%   | 20%                                                    | 30%   | 40%   | 50%  | 60%  | 70%      | 80%  | 90% | RELATIVE | OBS.           |
| FEB   | 00-02    | 100.0 | 99,6                                                   | 99.0  | 95,1  | 85.6 | 63.4 | 38,4     | 20.0 | 7,5 | 66,5     | 838            |
|       | 03-05    | 100.0 | 99.6                                                   | 98.7  | 95.4  | 86,9 | 64.4 | 39.4     | 18.1 | 6.8 | 66.5     | 83!            |
|       | 06-08    | 100.0 | 99.6                                                   | 98.2  | 95,8  | 86.5 | 65.6 | 39.7     | 17.1 | 5.9 | 66.6     | 837            |
|       | 09-11    | 100.0 | 99,4                                                   | 95 4_ | 84,4  | 67.0 | 50.1 | 31.5     | 16,1 | 6.0 | 60.6     | 840            |
|       | 12-14    | 100.0 | 97.4                                                   | 86.2  | -66.6 | 52.4 | 35,4 | 22.4     | 10.7 | 2.2 | 52.9     | 848            |
|       | 15-17    | 100.0 | 97.8                                                   | 86.2  | 67.3  | 51.8 | 35.3 | 22.1     | 8.7  | 1.2 | 52.6     | 846            |
| ·     | 18-20    | 100.0 | 99.8                                                   | 97.0  | 89.4  | 74.5 | 53.4 | 30,0     | 15.7 | 4.6 | 61.9     | 839            |
|       | 21-23    | 100.0 | 100.0                                                  | 99.3  | 94.3  | 86.1 | 65.7 | 37,9     | 20.2 | 7.1 | 66.4     | 830            |
|       |          |       |                                                        |       |       |      |      | <u> </u> |      |     |          |                |
|       |          |       |                                                        |       |       |      |      |          |      |     |          |                |
| TO    | TALS     | 100.0 | 99.2                                                   | 95.1  | 86.0  | 73.9 | 54.2 | 32.7     | 15.8 | 5.2 | 61.8     | 671            |

### **RELATIVE HUMIDITY**

Z4112 STATION

MALMSTROM AFB MT/GREAT FALLS

68-77

MAR

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS    |       |       | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY G | REATER THAN |      |      | MEAN                 | TOTAL<br>NO OF<br>OBS. |
|-------|----------|-------|-------|-----------|-------------|-------------|------------|-------------|------|------|----------------------|------------------------|
| MONTH | (L.S.T.) | 10%   | 20%   | 30%       | 40%         | 50%         | 60%        | 70%         | 80%  | 90%  | RELATIVE<br>HUMIDITY |                        |
| MAR   | 00-02    | 100.0 | 100.0 | 99.5      | 95.8        | 82.3        | 62.7       | 41.7        | 23.5 | 9.6  | 67.1                 | 930                    |
|       | 03-05    | 100.0 | 100.0 | 99.1      | 95.7        | 85.9        | 66.9       | 45,4        | 26.6 | 11.6 | 68.5                 | 930                    |
|       | 06-08    | 100.0 | 100.0 | 99.1      | 95.6        | 85.7        | 66.7       | 44.2        | 25.7 | 11.2 | 68.2                 | 930                    |
|       | 09-11    | 100.0 | 99,5  | 92.7      | 71.6        | 54.0        | 39.0       | 27,6        | 16.9 | 5.3  | 56.1                 | 930                    |
|       | 12-14    | 100.0 | 97.0  | 72.8      | 49.7        | 38.2        | 29.6       | 20,3        | 10.3 | 2.7  | 47.7                 | 929                    |
|       | 15-17    | 100.0 | 96.1  | 68.0      | 48.0        | 36.3        | 26.3       | 17.3        | 9.3  | 1.7  | 45.9                 | 929                    |
|       | 18-20    | 100.0 | 99.8  | 92.0      | 72.2        | 54.0        | 39,9       | 26,6        | 14.0 | 4.0  | 55.7                 | 930                    |
|       | 21-23    | 100.0 | 100.0 | 99.0      | 91.7        | 73.7        | 54.2       | 35,9        | 20.0 | 7.7  | 63.8                 | 930                    |
|       |          |       |       |           |             |             |            |             |      |      |                      |                        |
|       |          |       |       |           |             |             |            |             |      |      |                      |                        |
| 10    | TALS     | 100.0 | 99.1  | 90.3      | 77.5        | 63.8        | 48.2       | 32,4        | 18.3 | 6.7  | 59.1                 | 7438                   |

USAFETAC

0-87-5 (OL A)

### **RELATIVE HUMIDITY**

| 24112   | MALMSTRUM | AFB | MT | /GREAT  | FALLS |
|---------|-----------|-----|----|---------|-------|
| STATION |           | -   |    | ON NAME |       |

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|             | HOURS    |       |       | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |                      | TOTAL<br>NO OF |
|-------------|----------|-------|-------|--------------------------------------------------------|------|------|------|------|------|------|----------------------|----------------|
| HTMOM       | (L S.T)  | 10%   | 20%   | 30%                                                    | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  | RELATIVE<br>HUMIDITY | OBS.           |
| APR         | 00-02    | 100.0 | 100,0 | 99.1                                                   | 92,3 | 75.1 | 53.1 | 37.1 | 23.6 | 10.8 | 64.6                 | 900            |
|             | 03-05    | 100.0 | 100.0 | 99.8                                                   | 94.4 | 82.2 | 61.2 | 43.8 | 27.3 | 11.3 | 67.4                 | 900            |
|             | 06-08    | 100.0 | 100.0 | 99.1                                                   | 89.8 | 73.1 | 57.0 | 40.2 | 24.6 | 10.1 | 64.9                 | 900            |
|             | 09-11    | 100.0 | 97.8  | 81.6                                                   | 56.9 | 40.9 | 31.0 | 20.8 | 13.4 | 4.2  | 50.2                 | 900            |
| <del></del> | 12-14    | 100.0 | 89.8  | 60.1                                                   | 39.6 | 28.7 | 23.4 | 15.8 | 8.8  | 2.7  | 42.2                 | 899            |
|             | 15-17    | 100.0 | 83.8  | 51.3                                                   | 36.7 | 28.9 | 21.0 | 13.8 | 8.2  | 2.9  | 40.2                 | 900            |
|             | 18-20    | 100.0 | 94.4  | 73.2                                                   | 51.4 | 38.1 | 29.1 | 20.1 | 11.4 | 3.9  | 47.8                 | 900            |
|             | 21-23    | 100.0 | 99.9  | 96.0                                                   | 79.9 | 58.8 | 43.7 | 30.9 | 20.5 | 7.7  | 59.2                 | 899            |
|             | <b>!</b> |       |       |                                                        |      |      |      |      |      |      |                      |                |
|             |          |       |       | -                                                      |      |      |      |      |      |      |                      |                |
| τo          | TALS     | 100.0 | 95.7  | 82.5                                                   | 67.6 | 53.2 | 39.9 | 27.8 | 17.2 | 6.7  | 54.6                 | 719            |

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### **RELATIVE HUMIDITY**

24112

MALMSTRUM AFB MT/GREAT FALLS

STATION NAME

68-77

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#### **CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE** (FROM HOURLY OBSERVATIONS)

|                                       | HOURS   |       |       | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY G | REATER THAN |      |             | MEAN<br>RELATIVE | TOTAL<br>NO. OF<br>OBS. |
|---------------------------------------|---------|-------|-------|-----------|-------------|-------------|------------|-------------|------|-------------|------------------|-------------------------|
| MONTH                                 | (L S.T) | 10%   | 20%   | 30%       | 40%         | 50%         | 60%        | 70%         | 80%  | 90%         | HUMIDITY         |                         |
| МАЧ                                   | 00-02   | 100.0 | 100.0 | 99.7      | 92.2        | 76.7        | 59.5       | 40,4        | 24,1 | 7.3         | 65.7             | 929                     |
|                                       | 03-05   | 100.0 | 100.0 | 99.9      | 96.5        | 84.0        | 65.6       | 48.0        | 28,8 | 8.7         | 68.8             | 930                     |
|                                       | 06-08   | 100.0 | 100.0 | 99.2      | 89.6        | 71.2        | 51.9       | 34.2        | 20.0 | 6.2         | 62.7             | 930                     |
| · · · · · · · · · · · · · · · · · · · | 09-11   | 100.0 | 98.4  | 83.8      | 55.1        | 35.7        | 24.2       | 17.1        | 8,6  | 2.4         | 48+1             | 930                     |
|                                       | 12-14   | 100.0 | 91.7  | 59.0      | 37.8        | 27.1        | 18,1       | 10.8        | 5.9  | 1.9         | 40.8             | 929                     |
|                                       | 15-17   | 100.0 | 82.9  | 54.2      | 36.1        | 25.8        | 18.7       | 12.8        | 7.3  | 2.2         | 39.8             | 930                     |
|                                       | 18-20   | 100.0 | 92.0  | 70.4      | 49.6        | 36.3        | 26.6       | 18.7        | 9.7  | 2.9         | 46.2             | 930                     |
|                                       | 21-23   | 100.0 | 99.5  | 93.7      | 80.4        | 61.4        | 46.9       | 33.1        | 18.6 | 4.7         | 59.5             | 93                      |
|                                       |         |       |       |           |             |             |            |             |      |             |                  |                         |
| <del></del>                           |         |       |       |           | _           |             |            |             |      | <del></del> |                  |                         |
| to                                    | TALS    | 100.0 | 95.6  | 82.5      | 67.2        | 52.3        | 38,9       | 26.9        | 15.4 | 4.5         | 54.0             | 743                     |

USAFETAC 0-87-5 (OL A)

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## RELATIVE HUMIDITY

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS  STATION NAME | 68=77 | JUN<br>MONTH |
|------------------|--------------------------------------------|-------|--------------|
|------------------|--------------------------------------------|-------|--------------|

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS    |       |       | PERCENTAG | GE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |     | MEAN RELATIVE | TOTAL<br>NO. OF |
|-------|----------|-------|-------|-----------|------------------------------------------------|------|------|------|------|-----|---------------|-----------------|
| MONTH | (L S T.) | 10%   | 20%   | 30%       | 40%                                            | 50%  | 60%  | 70%  | 80%  | 90% | HUMIDITY      | OBS.            |
| JUN   | 00-02    | 100.0 | 100.0 | 99.1      | 93,6                                           | 78.3 | 55.9 | 37.2 | 19.6 | 2.6 | 64.4          | 900             |
|       | 03-05    | 100-0 | 100.0 | 99.3      | 96.4                                           | 86.3 | 65,7 | 45.0 | 22.6 | 4,6 | 67.7          | 900             |
|       | 06-08    | 100.0 | 99.8  | 98.0      | 91,3                                           | 69.6 | 45.9 | 30.0 | 13.7 | 2.3 | 60.6          | 900             |
|       | 09-11    | 100.0 | 98.2  | 83.9      | 54.3                                           | 33.2 | 21.8 | 13.0 | 4.3  | .3  | 46.7          | 900             |
|       | 12-14    | 100.0 | 89.8  | 58.9      | 36.3                                           | 23.0 | 14.0 | 8,3  | 2.3  | .2  | 38.9          | 900             |
|       | 15-17    | 100-0 | 86.0  | 53.9      | 33.3                                           | 20.7 | 14,4 | 7,7  | 1.8  | ··· | 37.3          | 900             |
|       | 18-20    | 100.0 | 94,6  | 74.3      | 49.4                                           | 35,9 | 25.4 | 15.4 | 4.4  | .3  | 45.6          | 900             |
| -     | 21-23    | 100.0 | 99.9  | 95.4      | 80.9                                           | 61.2 | 42.2 | 29.6 | 12.4 |     | 57.9          | 900             |
|       |          |       |       |           |                                                |      |      |      |      |     |               |                 |
|       |          | ,     |       |           |                                                |      |      |      |      |     |               |                 |
| TO    | TALS     | 100.0 | 96.0  | 82.9      | 66.9                                           | 51.0 | 35.7 | 23.3 | 10.1 | 1.4 | 52.4          | 7200            |

### **RELATIVE HUMIDITY**

24112 STATION MALMSTRUM AFB MT/GREAT FALLS
STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH       | HOURS    |       |       | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY G | REATER THAN |      |     | MEAN<br>RELATIVE | TOTAL          |
|-------------|----------|-------|-------|-----------|-------------|-------------|------------|-------------|------|-----|------------------|----------------|
| MONTH       | (L.S.T.) | 10%   | 20%   | 30%       | 40%         | 50%         | 60%        | 70%         | 80%  | 90% | HUMIDITY         | NO. OF<br>OBS. |
| JUL         | 00-02    | 100.0 | 100,0 | 96,7      | 84.7        | 61,6        | 37,6       | 20.8        | 9,7  | 1,5 | 57.1             | 930            |
|             | 03-05    | 100.0 | 99.8  | 99.2      | 93.0        | 78.9        | 54.7       | 28.5        | 12.9 | 2.6 | 62.6             | 930            |
|             | 06-08    | 100.0 | 100.0 | 96.9      | 83.3        | 58.4        | 36.0       | 18,6        | 6.4  | .8  | 55.7             | 929            |
|             | 09-11    | 100.0 | 95.2  | 70.3      | 41.0        | 20.4        | 9,9        | 5,7         | 1.6  |     | 40.1             | 930            |
|             | 12-14    | 100.0 | 78.6  | 43.5      | 20.2        | 9.8         | 5.6        | 1,8         | .1   |     | 31.5             | 930            |
|             | 15-17    | 99.8  | 67.0  | 33.9      | 17.6        | 9.2         | 5.3        | 1.9         | .6   |     | 28.8             | 930            |
| <u></u>     | 18-20    | 99.9  | 78.9  | 51.8      | 30.0        | 17.6        | . 9.5.     | 4.7         | 1.4  | .1  | 35.0             | 930            |
| <del></del> | 21-23    | 100.0 | 98.5  | 84.8      | 64.4        | 38,6        | 23.9       | 12.7        | 5.6  | •2  | 48.8             | 930            |
|             |          |       |       |           | <u> </u>    | ,           |            |             |      |     | · ·              |                |
|             |          |       | ,     |           |             |             |            |             |      |     |                  |                |
| 10          | TALS     | 100.0 | 89.8  | 72.1      | 54.3        | 36.8        | 22.8       | 11.8        | 4.8  | .7  | 45.0             | 7439           |

# RELATIVE HUMIDITY

| 24112<br>STATION | MALMSTRUM AFB MT/GREAT FALLS STATION NAME | _68=77 | AUG      |
|------------------|-------------------------------------------|--------|----------|
|                  |                                           | 128.00 | <i>m</i> |

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH    | HOURS |       |       | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY G | REATER THAN |      |     | MEAN<br>RELATIVE | TOTAL<br>NO OF |
|----------|-------|-------|-------|-----------|-------------|-------------|------------|-------------|------|-----|------------------|----------------|
| MONIH    | (LST) | 10%   | 20%   | 30%       | 40%         | 50%         | 60%        | 70%         | 80%  | 90% | HUMIDITY         | OBS.           |
| AUG      | 00-02 | 100.0 | 99,9  | 93.1      | 75.5        | 54.5        | 39.1       | 26.8        | 12.7 | 3,5 | 56.3             | 930            |
| ·        | 03-05 | 100.0 | 100.0 | 98.0      | 85,8        | 66,6        | 48,4       | 34.1        | 18.5 | 5.1 | 61.4             | 930            |
|          | 06-08 | 100.0 | 99.8  | 94.2      | 78.8        | 59.8        | 42.5       | 29.6        | 14.7 | 3.2 | 57.8             | 930            |
|          | 09-11 | 100.0 | 90.9  | 65.6      | 43,8        | 26.9        | 16.1       | 9,6         | 4,5  | .6  | 41.5             | 930            |
| <b>-</b> | 12-14 | 99.9  | 70.3  | 43,4      | 25.2        | 14.1        | 8,4        | 5.4         | 2,6  | ,4  | 32.5             | 930            |
| ·        | 15-17 | 99.5  | 62.4  | 37.3      | 23.9        | ·           | 7,8        | 4.8         | 1.9  | .2  | 30.2             | 928            |
|          | 18-20 | 99.9  | 75.3  | 53.2      | 35.2        | 22.9        | 15.7       | 9.7         | 3,9  | .3  | 37.1             | 927            |
|          | 21-23 | 100.0 | 96.1  | 78.4      | 60.2        | 44.4        | 30.2       | 18.8        | 9.0  | 1.1 | 49.5             | 927            |
|          |       |       |       |           |             |             |            | /           |      |     |                  |                |
| <u> </u> |       |       |       |           |             |             |            |             |      |     |                  |                |
|          |       |       |       |           |             |             |            |             |      |     |                  |                |
| to       | TALS  | 99.9  | 86.8  | 70:4      | 53,6        | 37,7        | 26.0       | 17.4        | 8,5  | 1.8 | 45.8             | 7432           |

## **RELATIVE HUMIDITY**

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MALMSTRUM AFB MT/GREAT FALLS
STATION NAME

68-77

PERIOD

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS<br>(LST) | İ     |      | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY G | REATER THAN |      |     | MEAN<br>RELATIVE | TOTAL<br>NO. OF<br>OSS. |
|-------|----------------|-------|------|-----------|-------------|-------------|------------|-------------|------|-----|------------------|-------------------------|
| MONTH |                | 10%   | 20%  | 30%       | 40%         | 50%         | 60%        | 70%         | 80%  | 90% | HUMIDITY         |                         |
| SEP   | 00-02          | 100.0 | 99.6 | 97.0      | 89.4        | 74.3        | 52.6       | 29.1        | 12.6 | 3.4 | 61.5             | 900                     |
|       | 03-05          | 100.0 | 99.6 | 98.2      | 93.4        | 81.3        | 61.6       | 38.0        | 16.9 | 4,6 | 65.1             | 900                     |
|       | 06-08          | 100.0 | 99.8 | 96,8      | 90.1        | 75.9        | 57.3       | 36.0        | 17.2 | 5.0 | 63.5             | 901                     |
|       | 09-11          | 100+0 | 96.7 | 82.0      | 58.1        | 35.4        | 21.7       | 14.0        | 6.9  | 1.4 | 47.2             | 900                     |
|       | 12-14          | 99.7  | 86.0 | 54.2      | 30.1        | 18.6        | 12.5       | 7,6         | 3.3  | .6  | 36.8             | 891                     |
|       | 15-17          | 99.4  | 78.6 | 48,9      | 24.9        | 15.7        | 10.3       | 6.7         | 2.9  | .6  | 34.2             | 900                     |
|       | 18-20          | 100.0 | 94.2 | 76.7      | 50.9        | 29.7        | 18.8       | 11.2        | 6.6  | 1.6 | 44.4             | 900                     |
| ,     | 21-23          | 100.0 | 99.4 | 92.4      | 79.4        | 58.1        | 38.9       | 23.0        | 15.2 | 2.6 | 55.9             | 900                     |
|       |                |       |      |           |             |             |            |             |      |     |                  |                         |
|       |                |       |      |           |             |             |            |             |      |     |                  |                         |
| TO    | TALS           | 9,9   | 94.2 | 80.8      | 64.5        | 48.6        | 34.2       | 20,7        | 9.6  | 2.5 | 51.1             | 719                     |

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## **RELATIVE HUMIDITY**

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS STATION NAME | _68=77 | OCT MONTH |
|------------------|-------------------------------------------|--------|-----------|
|                  | Trans. Ivang                              | renov  | MONTH     |

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | L     |      | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY G | REATER THAN |      |     | MEAN<br>RELATIVE | TOTAL<br>NO OF<br>OBS. |
|-------|-------|-------|------|-----------|-------------|-------------|------------|-------------|------|-----|------------------|------------------------|
| MONTH | (LST) | 10%   | 20%  | 30%       | 40%         | 50%         | 60%        | 70%         | 80%  | 90% | HUMIDITY         |                        |
| ncT   | 00-02 | 100,0 | 99.6 | 96.6      | 87.2        | 71.2        | 51.1       | 34,3        | 20.6 | 6.2 | 62.3             | 930                    |
|       | 03-05 | 100.0 | 99,8 | 97.1      | 89,1        | 74.1        | 56.0       | 39,7        | 25.2 | 7.8 | 64.4             | 930                    |
|       | 06-08 | 100.0 | 99.9 | 96.1      | 87,6        | 71.2        | 54.2       | 40.9        | 26,6 | 9,8 | 64.1             | 930                    |
|       | 09-11 | 100,0 | 96.2 | 83.3      | 61.6        | 41.9        | 29.9       | 20.9        | 13.8 | 4,3 | 50.8             | 929                    |
|       | 12-14 | 100.0 | 88.5 | 65,5      | 37,3        | 25.7        | 17,7       | 11.1        | 7.2  | 2.7 | 41.0             | 930                    |
|       | 15-17 | 100.0 | 88.6 | 63.1      | 37.3        | 23.9        | 18.4       | 11.5        | 6.9  | 1,5 | 40.8             | 930                    |
|       | 18-20 | 100.0 | 98,5 | 88.6      | 68,3        | 47.3        | 31.2       | 21.3        | 12.6 | 2.9 | 52.5             | 93(                    |
|       | 21-23 | 100.0 | 99.0 | 96.5      | 84,4        | 64.6        | 44.7       | 28,4        | 17.8 | 6,2 | 59.7             | 930                    |
|       |       |       |      |           |             |             |            | OLIA.       |      |     |                  |                        |
|       |       |       |      |           |             |             |            |             |      |     |                  |                        |
| TO    | TALS  | 100.0 | 96,3 | 85.9      | 69.1        | 52.5        | 37.9       | 26.0        | 16.3 | 5.2 | 54.5             | 743                    |

### **RELATIVE HUMIDITY**

24112 STATION

MALMSTROM AFB MT/GREAT FALLS

STATION NAME

68-77

NOV

PERIOD

MONTH

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS    |       | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |       |      |      |      |     |          |                |  |  |
|-------|----------|-------|--------------------------------------------------------|------|------|-------|------|------|------|-----|----------|----------------|--|--|
|       | (L.S.T.) | 10%   | 20%                                                    | 30%  | 40%  | 50%   | 60%  | 70%  | 80%  | 90% | RELATIVE | NO. OF<br>OBS. |  |  |
| NDV   | 00-02    | 100.0 | 99.7                                                   | 96.6 | 87.7 | 74.6  | 56.1 | 35.8 | 21.7 | 8.2 | 63,5     | 900            |  |  |
|       | 03-05    | 100.0 | 99.7                                                   | 96.4 | 89.1 | 75.6  | 57.6 | 40.2 | 22.9 | 9.6 | 64.5     | 899            |  |  |
|       | 06-08    | 100.0 | 99.7                                                   | 95.8 | 87.8 | 74.8  | 57.7 | 40.6 | 23.9 | 7.7 | 64.4     | 900            |  |  |
|       | 09-11    | 100.0 | 98.6                                                   | 90.0 | 74.4 | 57.3  | 42.2 | 30.0 | 17.7 | 6.3 | 57.1     | 900            |  |  |
|       | 12-14    | 100.0 | 95.1                                                   | 80.9 | 53.0 | 38.2  | 30.0 | 21,6 | 11.8 | 3.7 | 49.0     | 900            |  |  |
|       | 15-17    | 100.0 | 97.0                                                   | 83.6 | 59.5 | 43.2  | 31.0 | 21.8 | 11.0 | 2.6 | 50.4     | 899            |  |  |
|       | 18-20    | 100.0 | 99.3                                                   | 95.3 | 82.6 | 64.3  | 45.9 | 29.1 | 17.9 | 5.5 | 59.4     | 897            |  |  |
|       | 21-23    | 100.0 | 100.0                                                  | 95.4 | 87.4 | 72.1  | 53.7 | 33.3 | 19.6 | 6,6 | 62.2     | 697            |  |  |
|       |          |       |                                                        |      |      |       |      |      |      |     |          |                |  |  |
| 70    | OTALS    |       |                                                        |      |      |       |      |      |      |     |          |                |  |  |
|       |          | 100.0 | 98.6                                                   | 91.8 | 77.7 | -62.5 | 46.8 | 31.6 | 18.3 | 6.3 | 58.8     | 7197           |  |  |

USAFETAC 0-87-5 (OL A)

### **RELATIVE HUMIDITY**

| 24112<br>STATION | MALMSTROM AFB MT/GREAT FALLS | 67-76  | DEC   |
|------------------|------------------------------|--------|-------|
| STATION          | - STATION NAME               | PERIOD | MONTH |

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS    |       | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |     |          |                |  |  |
|-------|----------|-------|--------------------------------------------------------|------|------|------|------|------|------|-----|----------|----------------|--|--|
| MONTH | (L.S.T.) | 10%   | 20%                                                    | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE | NO. OF<br>OBS. |  |  |
| DEC   | 00-02    | 100,0 | 100,0                                                  | 98.9 | 93.3 | 82.1 | 61.7 | 37.5 | 18,9 | 5.3 | 65.4     | 927            |  |  |
|       | 03-05    | 100.0 | 100.0                                                  | 98.8 | 93.2 | 83.8 | 62.5 | 38,1 | 19.5 | 5.4 | 65.8     | 92:            |  |  |
|       | 06-08    | 100+0 | 100,0                                                  | 98.3 | 94.1 | 82.3 | 65.0 | 40+2 | 21.2 | 5.3 | 66.0     | 928            |  |  |
|       | 09-11    | 100.0 | 99,7                                                   | 96.2 | 88,8 | 72.3 | 52.2 | 32.5 | 17.3 | 5.4 | 61.8     | 928            |  |  |
|       | 12-14    | 100.0 | 98,3                                                   | 91.7 | 73,8 | 57.7 | 40.8 | 25,9 | 13.9 | 3,9 | 56.0     | 929            |  |  |
|       | 15-17    | 100.0 | 98,7                                                   | 93,9 | 78,9 | 62.3 | 41.2 | 25.1 | 14.7 | 5.0 | 57.3     | 926            |  |  |
|       | 18-20    | 100.0 | 100.0                                                  | 97.8 | 90,3 | 78.1 | 56.4 | 32.5 | 16.3 | 5.1 | 63.2     | 926            |  |  |
|       | 21-23    | 100.0 | 100,0                                                  | 99,3 | 93,8 | 81.6 | 57.3 | 37.1 | 16,7 | 4.2 | 64.5     | 923            |  |  |
|       |          |       |                                                        |      |      |      |      |      |      |     |          |                |  |  |
|       |          |       |                                                        |      |      |      |      |      |      |     |          |                |  |  |
| 10    | TALS     | 100.0 | -99,6                                                  | 96.  | 88,3 | 75.0 | 54,9 | 33,6 | 17,3 | 5.0 | 62.5     | 741            |  |  |

# RELATIVE HUMIDITY

24112 STATION

MALMSTRUM AFB MT/GREAT FALLS
STATION NAME

67-77

MONTH .

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS<br>(L.S T.) |       | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |     |          |                |  |  |
|-------|-------------------|-------|--------------------------------------------------------|------|------|------|------|------|------|-----|----------|----------------|--|--|
| MONIN |                   | 10%   | 20%                                                    | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE | NO. OF<br>OBS. |  |  |
| JAN   | ALL               | 100.0 | 99.8                                                   | 98.2 | 92.7 | 81.6 | 58.3 | 26.5 | 9.4  | 2.5 | 62.5     | 7430           |  |  |
| FEB   |                   | 100.0 | 99.2                                                   | 95.1 | 86.0 | 73.9 | 54.2 | 32.7 | 15.8 | 5.2 | 61.8     | 6714           |  |  |
| MAR   |                   | 100.0 | 99.1                                                   | 90.3 | 77.5 | 63.8 | 48.2 | 32.4 | 18.3 | 6.7 | 59.1     | 7438           |  |  |
| APR   |                   | 100.0 | 95.7                                                   | 82.5 | 67.6 | 53.2 | 39,9 | 27.8 | 17.2 | 6.7 | 54.6     | 7198           |  |  |
| MAY   |                   | 100.0 | 95.6                                                   | 82.5 | 67.2 | 52.3 | 38,9 | 26,9 | 15.4 | 4.5 | 54.0     | 7438           |  |  |
| JUN   |                   | 100•0 | 96.0                                                   | 82.9 | 66.9 | 51.0 | 35.7 | 23,3 | 10.1 | 1.4 | 52.4     | 7200           |  |  |
| JUL   |                   | 100.0 | 89.8                                                   | 72.1 | 54.3 | 36.8 | 22.8 | 11.8 | 4.8  | .7  | 45.0     | 7439           |  |  |
| AUG   |                   | 99.9  | 86.8                                                   | 70.4 | 53.6 | 37.7 | 26.0 | 17,4 | 8,5  | 1.8 | 45.8     | 7432           |  |  |
| SEP   |                   | 99.9  | 94.2                                                   | 80.8 | 64,5 | 48.6 | 34.2 | 20.7 | 9,6  | 2.5 | 51.1     | 7198           |  |  |
| OCT   |                   | 100+0 | 96,3                                                   | 85.9 | 69.1 | 52.5 | 37.9 | 26.0 | 16.3 | 5.2 | 54.5     | 7439           |  |  |
| NOV   | <u>.</u>          | 100.0 | 98.6                                                   | 91.8 | 77.7 | 62.5 | 46.8 | 31+6 | 18.3 | 6.3 | 58.8     | 7192           |  |  |
| DEC   |                   | 100.0 | 99.6                                                   | 96.9 | 88.3 | 75.0 | 54.9 | 33.6 | 17.3 | 5.0 | 62.3     | 7413           |  |  |
| 101   | TALS              | 100.0 | 95,9                                                   | 85.8 | 72.1 | 57.4 | 41.5 | 25.9 | 13.4 | 4.0 | 55.2     | 87531          |  |  |

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0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

### PART F

### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

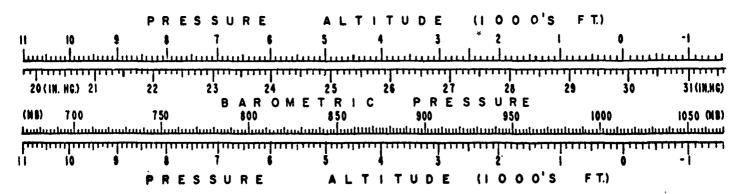
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



#### MEANS AND STANDARD DEVIATIONS

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STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

YEARS

24112

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MALMSTROM AFB MT/GREAT FALLS

STATION NAME

67-77

STATION HRS ILST JUN JUL. AUG OCT NOV ANNUAL 26.26926.30026.24726.28026.29326.28926.36426.34426.35826.35026.31526.261 MEAN 26,305 201 .174 .133 .216 211 .166 .120 .111 .173 .182 .206 .201 .182 02 S D 296 TOTAL OBS 293 301 296 303 295 293 3523 285 288 302 26.26326.29726.24426.28026.29926.29226.37626.35126.36126.34826.31326.262 26.307 202 05 .217 .210 .134 .113 .174 .184 .209 .185 .176 .168 .122 .211 TOTAL OBS 288 297 292 304 292 283 289 294 300 3501 286 26.26926.30225.25826.29426.31526.30626.39326.36826.37226.36126.32026.267 .221 .211 .201 .176 .172 .134 .122 .115 .176 .188 .211 .207 MEAN 26.318 S D 08 .186 305 TOTAL OBS 292 296 303 294 282 293 294 297 294 <u>3531</u> 304 26.28626.31626.25926.28826.30526.29626.38126.35726.36826.36126.32326.284 26,318 MEAN .209 .215 .117 .219 .176 .171 .133 .175 .192 11 S D . 200 .122 .215 .186 TOTAL OB 293 306 296 295 3537 290 308 301 285 296 301 294 26.25226.28626.22826.26926.28026.27226.35126.32626.33826.32626.29226.244 26.288 MEAN .205 .217 .167 .132 293 .120 .117 .190 .176 .171 .212 .203 .216 .184 14 S D TOTAL OBS 302 295 295 299 304 286 292 295 <u> 3534</u> 26.26526.28326.22326.25526.26726.25726.32826.30726.33326.32726.30226.260 26,284 212 204 .176 .163 .130 .123 .117 .164 .185 .181 .214 S D .211 ..197 17 304 TOTAL OBS 294 271 295 300 294 284 287 293 303 289 3517 26.27026.29826.23826.27126.27426.26526.34026.31826.34726.33826.31126.270 26.294 MEAN .174 .179 . 202 .116 20 ,211 .161 .130 .182 S D .210 .117 . 165 .213 TOTAL OBS 305 294 303 292 302 291 292 3524 MEAN 26.26526.30126.24726.28626.29225.28726.36226.34026.35726.34626.31026.276 26,306 .196 .208 .215 . 204 .174 .160 .133 ,114 .170 .184 .118 .210 23 S D .181 297 TOTAL OB 291 277 307 301 298 286 287 305 294 294 296 <u> 3533</u> 26,26726,29826,24326,27826,29126,28326,36226,33926,35426,34526,31126,265 26.303 MEAN 212 ALL HOURS .133 . 166 .216 .202 .175 2361 .122 .116 .171 .186 .211 .183 S. D 2409 TOTAL OBS 2354 2270 2337 28200

USAFETAC FORM 0.89.5 (OLA)

## **MEANS AND STANDARD DEVIATIONS**

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

YEARS

24112

MALMSTRUM AFB MT/GREAT FALLS

67-77

STATION NAME

| HRS (LST)    |                  | JAN    | FEB    | MAR.   | APR       | MAY    | NUL    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANNUAL  |
|--------------|------------------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
|              | MEAN             | 1017.3 | 1016.7 | 1013.8 | 1013.7    | 1012.9 | 1011.5 | 1013.6 | 1012.9 | 1014.8 | 1015.8 | 1016.1 | 1015.4 | 1014.5  |
| 02           | S D              | 10.139 | 8,916  | 8.952  | 7.614     | 6.760  | 5.566  | 4.935  | 4.693  | 7.372  | 7.973  | 8,951  | 8.934  | 7.912   |
|              | TOTAL OBS        | 310    | 283    | 310    | 300       | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653    |
|              |                  |        |        |        |           |        |        |        |        |        |        | '<br>  |        |         |
| ,            | MEAN             | 1017.4 | 1016.8 | 1013.9 | 1013.9    | 1013.3 | 1011.9 | 1014.2 | 1013.3 | 1015.0 | 1016.1 | 1016.5 | 1015.7 | 1014.8  |
| 05 ,         | , SD             |        |        |        |           |        |        | 4.887  |        |        |        | 1      |        | 7.910   |
|              | TOTAL OBS        | 310    | 283    | 310    | 300       | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653    |
|              |                  |        |        |        | 1 - 7 / - |        |        |        |        |        |        |        |        | 10.00   |
| 0.0          | MEAN             |        |        |        |           |        |        | 1014.8 |        |        |        |        |        | 1015.4  |
| 08           | S D              |        |        |        | 1.419     | 0.900  | 2.405  | 4.909  |        |        |        |        |        | 7.046   |
|              | TOTAL OBS        | 310    | 283    | 310    | 300       | 309    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | <u></u> |
|              | MEAN             | 1018-1 | 1017.5 | 1014.3 | 1014.3    | 1013.3 | 1011.8 | 1014.3 | 1013.5 | 1015.3 | 1016.4 | 101627 | 1016.2 | 1015.1  |
| 11           | S D              | 10-204 | 9.009  | 8.877  | 7.457     | 6.807  | 5.397  | 4.881  | 4.820  | 7.390  | 8.185  | 9.178  | 9.039  | 7.983   |
|              | TOTAL OBS        | 310    |        |        |           |        |        |        |        |        |        |        |        | 3653    |
|              |                  |        |        |        |           | •      |        |        |        |        |        |        |        |         |
|              | MEAN             | 101/   | 1016.0 | 1013.1 | 1013.2    | 1012.4 | 1010.8 | 1013.1 | 1012.3 | 1014.0 | 1014.9 | 1015.3 | 1014.8 | 1013.9  |
| 14           | \$ D             |        |        |        |           |        |        | 4.896  |        |        |        |        |        | 7.933   |
|              | TOTAL OBS        | 310    | 283    | 310    | 300       | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653    |
|              |                  |        |        |        |           |        |        |        |        |        | i      |        |        | ,       |
| ,            | MEAN             |        |        |        |           |        |        |        |        |        |        |        | 1015.7 | 1013.8  |
| 17           | S D              |        |        |        |           |        |        | 4.922  |        |        |        |        |        | 7.924   |
|              | TOTAL OBS        | 310    | 283    | 310    | 300       | 310    | 300    | 310    | 310    | 300    | 310    | 299    | 310    | 3652    |
|              |                  | 1015 ( |        |        | 1 - 1 9 / |        |        |        |        |        |        |        |        | 1       |
| •            | MEAN             |        |        |        |           |        |        | 1012.6 |        |        |        |        |        | 1014.5  |
| 20           | S D<br>TOTAL OBS |        |        |        |           |        |        | 4.799  |        |        |        |        |        | 7.966   |
|              | IOIAL OBS        | 310    | 203    | 310    | 300       | 310    | 300    | 310    | 310    | 300    | 310    | 299    | 310    | 3652    |
|              | MEAN             | 1017.4 | 1016-9 | 1014.0 | 1014.0    | 1012.9 | 1011.5 | 1013.6 | 1012.5 | 1014.0 | 1016.0 | 1016-2 | 1016-1 | 1014.7  |
| 23           | S D              |        |        |        |           |        |        |        |        |        |        |        | 8.797  | 7.931   |
|              | TOTAL OBS        |        |        |        |           |        |        |        |        |        |        |        |        | 3652    |
|              |                  |        |        | T      |           |        |        |        |        |        |        | -      |        |         |
|              | MEAN             |        |        |        |           |        |        | 1013.6 |        |        |        |        |        | 1014.6  |
| ALL<br>HOURS | S D              |        |        |        |           |        |        | 4.945  |        |        |        |        |        | 7.954   |
| ,,,,,,,,,    | TOTAL OBS        |        | 2266   | 2480   | 2400      | 2470   | 2460   | 2480   | 2480   | 2400   | 2480   | 2397   |        | 29220   |

USAFETAC FORM 0.89.5 (OLA)